CITY HALL BUILDING.

REPORTS

OF THE

DEPARTMENTS OF THE GOVERNMENT

OF THE

CITY OF CLEVELAND

FOR THE

YEAR ENDING DECEMBER 31, 1882,

TOGETHER WITH THE

ANNUAL MESSAGE OF THE MAYOR.

PUBLISHED BY ORDER OF THE CITY COUNCIL.

CLEVELAND, O.:
HOME COMPANION PUBLISHING CO.
1883.

TABLE OF CONTENTS.

CITY GOVERNMENT.

OF THE

CITY OF CLEVELAND.

MAYOR,

JOHN H. FARLEY.

CITY CLERK,

C. P. SALEN.

CITY SOLICITOR,

GEORGE S. KAIN.

CITY AUDITOR,

HENRY FORD.

CITY TREASURER,

THOMAS AXWORTHY.

CITY CIVIL ENGINEER.

B. F. MORSE.

STREET COMMISSIONER,

FRANK BUETTNER.

THE CITY COUNCIL, 1883-4.

J. L. ATHEY, PRESIDENT.
ARTHUR DEVINE, PRESIDENT PRO TEM.

C. P. SALEN, CLERK.
JOHN VANEK, 1ST ASS'T CLERK, C. H. HATCH, 2ND ASS'T CLERK.
MISS S. A. BARTLETT, 3RD ASS'T CLERK.
LIEUT. PHILIP ANTHONY, SERGEANT-AT-ARMS.
FRANK HARRIS, PAGE.

WARDS.	NAMES.	TERM EXPIRES.
1.	T. M. WARNER	1884
	CHARLES BURNSIDE	1885
2.	C. B. BERNARD	1884
	HENRY BECKMAN, JR	1885
3.	DOMINICK CARR	1884
	JOHN KIST	1885
4.	P. M. SPENCER	1884
	BENJ. WINDECKER,	1885
5.	W. P. CHARD	1884
	ARNOLD GREEN	1885
6.	WILLIAM GRANT	1884
	W. H. KING	1885
7.	ARTHUR DEVINE	1884
	W. F. LUDWIG	1885
8.	EDWARD COWLEY	1884
	PATRICK SMITH	1885
9.	J. B. COFFINBERRY	1884
	WILLIAM BACKUS	1885
10.	WM. M. BAYNE	1884
	HERMANN MUELLER	1885
11.	J. A. GILBERT	1884
	M. A. GROSS	1885
12.	J. L. ATHEY	1884
	JOSEPH J. PTAK	1885
13.	PHILIP GAYLORD	1884
	N. P. CHARLOT	1885
14.	F. H. EGGERS	1884
	CHAS. FLIEDNER	1885
15.	W. W. PHILLIPS	1884
	T. O'BRIEN	1885
16.	H. CLARK FORD	1884
	J. D. SCHIELY	1885
17.	CHARLES MEDHURST	1884
	A. H. STONE	1885
18.	I. L. MORRIS	1884
	J. L. HITZ	1885

STANDING COMMITTEES.

Appropriations.....Gilbert, Bernard, Smith.
Bathing & Bathing Houses.....Bayne, Ludwig, Eggers.
Breakwater.....Kist, Gaylord, Ludwig.
Carriages & Exp's Wagons.....Devine, Carr, Medhurst.
City Property.....Charlot, Bayne, Hitz.
Claims.....Ptak, King, Mueller.
Department Examinations.....Devine, Warner, Windecker.
Elections.....Smith, Bayne, Phillips.
Finance.....Green, Stone, Gilbert.
Fire and Water.....Gross, Spencer, Ptak.
Harbors and Wharves.....Smith, Burnside, Kist.
House of Correction.....O'Brien, Schiely, Green.
Health and Cleanliness.....Carr, Medhurst, Spencer.
Infirmary.....Gaylord, Kist, Stone.
Judiciary.....Coffinberry, Bayne, Gross.
Legislation.....Green, Devine, Coffinberry
Licenses.....Green, Ford, Cowley.
Lighting.....Fliedner, Gaylord, Hitz.
Markets.....Backus, Burnside, Fliedner.
Military.....Beckman, Morris, Devine.
Ordinances.....Windecker, Warner, Coffinberry
Parks and Public Grounds.....Kist, Chard, Windecker.
Police.....Ludwig, O'Brien, Medhurst.
Printing.....Mueller, Schiely, Ptak.
Public Buildings.....Phillips, Chard, Carr.
Public Offices and Officers.....Smith, Bernard, Windecker.
Railroads.....Coffinberry, Morris, Mueller.
Rules.....Phillips, Ford, Beckman.
Sewers and Sewerage.....Carr, Grant, Charlot.
Schools.....Chard, Beckman, Eggers.
Streets.....Cowley, Grant, Backus.
Street Railroads.....Gilbert, King, Charlot.
Taxes and Assessments.....Hitz, Spencer, Fliedner.
Viaduct and Canal Lands.....Morris, Fliedner, O'Brien.
Water Works.....Warner, Ptak, Backus.

DEPARTMENTS.

BOARD OF IMPROVEMENTS.

HON. JOHN H. FARLEY, PRESIDENT *ex-officio.*

EDWARD COWLEY, CHAIRMAN COM. ON STREETS.

A. T. VAN TASSEL, CITIZEN MEMBER.

B. F. MORSE, CITY CIVIL ENGINEER.

FRANK BUETTNER, STREET COMMISSIONER.

JAMES HOSSACK, CLERK.

E. G. LAWLER ASS'T CLERK.

GEORGE LOWE, INSPECTOR OF SIDEWALKS.

Regular meeting, 10 A. M. Mondays, and 7:30 P. M. Fridays. Board Room, No. 8, First Floor.

POLICE.

Board of Commissioners.

HON. JOHN H. FARLEY, PRESIDENT *ex-officio.*

W. H. GABRIEL, A. B. HALLIWELL,

J. H. BRADNER, JAMES McNEIL.

THOMAS KING, SECRERARY.

Regular meetings, first and third Tuesdays of each month, 7:30 P. M. Board Rooms, Nos. 15 and 17, First Floor.

J. W. SCHMIDT, SUP'T. Headquarters, Room 17, City Hall.

JAS. McMAHON, DEPUTY SUP'T. Headquarters, First Precinct Station.

H. HOEHN, CAPTAIN. Headquarters, First Precinct Station.

FIRE.

Board of Commissioners.

JAMES D. SHANNON, PRESIDENT.

M. A. GROSS, CHAIRMAN COM. ON FIRE AND WATER.

Citizen Members.

F. G. KAUFHOLZ, N. WEIDENKOPF, JAMES JOHNSTON.

A. J. SPENCER, SECRETARY.

Regular meetings, first and third Fridays of each month, at 7:30 P. M. Board Room, No. 11, First Floor.

JAMES DICKINSON, CHIEF.

H. H. REBBECK, FIRST ASS'T CHIEF.

JOSEPH SPEDDY. SECOND ASS'T CHIEF.

A. A. CAVANNAH, THIRD ASS'T CHIEF.

PARKS.

Board of Commissioners.

DR. A. EVERETT, PRESIDENT.

J. H. WADE, J. M. CURTISS.

W. H. ECKMAN, CLERK.

E. O. SCHWAEGERL, SUP'T AND ENGINEER.

Board meets at the call of the President. Board Room, No. 31, Second Floor.

WATER WORKS.

Board of Trustees.

W. H. LUTTON, President.

WALTER BLYTHE. PERCY RICE.

JOHN WHITELAW, Sup't and Engineer. M. W. KINGSLEY, Ass't Engineer.

H. C. HAWKINS, Secretary. WM. A. MADISON, Ass't Secretary.

HENRY WAGNER, M. B. GIBBONS, Assessors.

J. C. ROSSITER, H. S, HAWKINS, Clerks.

R. DOTY, Chief Eng'r Pumping Works. A. J. AIKEN, Ass't Engineer.

Board meets on the fifth day of each month. Board Rooms, No. 254 Superior Street.

WORKHOUSE, HOUSE OF CORRECTION AND REFUGE.

Board of Commissioners.

L. F. BURGESS, President.

S. M. STRONG, Vice President.

R. E. MIX, G. H. WARMINGTON, S. BUHKER.

W. D. PATTERSON, Secretary.

W. D PATTERSON, Superintendent.

JOHN A. McINTOSH, Deputy Superintendent.

Mrs. M. A. PATTERSON, Principal Matron.

Dr. P. H. SAWYER, Attending Physician.

ALEX. McBANE, Deputy Sup't Refuge Department.

Board meets on the first Tuesday of each month, at 2:30 P. M. Board Rooms, Workhouse, Woodland Avenue.

HEALTH DEPARTMENT.

Board of Health.

Hon. JOHN H. FARLEY, President *ex-officio.*

W. J. SCOTT, C. C. DEWSTOE, A. J. COOK.

W. T. CORLETT, W. H. HUMISTON, F. FLIEDNER.

W. H. FARRAND. Secretary.

Board meets second and last Fridays of each month, 7:30 P. M. Board Rooms, No. 2, First Floor.

G. C. ASHMUN, Health Officer.

GEORGE ANDERSON, Inspector of Plumbing and Sewers.

STREET DEPARTMENT.

FRANK BUETTNER, Street Commissioner. WILLIAM COCHRAN, Ass't Commissioner.

E. L. DORAN, Clerk.

W. A. HARVEY, Sup't of Repairs on Paved Streets.

F. X. SYKORA, GEORGE THOMA, OWEN KANE,

Superintendents of Street Cleaning.

JOHN BERGHOLTZ, JOHN BURTON, N. KAMUF,

Inspectors of Streets.

ANTON CURRY, Janitor and Yardman.

Rooms, Ground Floor.

INFIRMARY.

Board of Directors.

BOLIVAR BUTTS, PRESIDENT.

E. H. HESSENMUELLER, C. C. BURNETT,
EDWARD MALONEY, WM. J. McKINNEY.

LAWRENCE S. O'NEIL, SECRETARY.

L. F. MELLEN, SUPERINTENDENT.

JACOB BLUIM, STEWARD.

B. W. HOLLIDAY, PHYSICIAN. A. F. MEYER, ASS'T PHYSICIAN.

MRS. JACOB BLUIM, MATRON.

Board Rooms, No. 344 Superior Street. Infirmary, Scranton Avenue.

CEMETERIES.

Board of Trustees.

W. T. DIXON, PRESIDENT. GEORGE JUDSON, TREASURER.

JOHN WAGNER.

H. E. MORRISON, SECRATARY.

Board meets first Monday in each month, at 2 P. M. Board Room, No. 31, Second Floor.

Superintendents.

FREDERICK WEIDENKOPF, WOODLAND.

FRANK FINNEY, ERIE STREET.

JOSEPH KROESEN, MONROE STREET.

JOHN DIPLEY. EIGHTEENTH WARD.

SINKING FUND.

Board of Commissioners.

H. B. PAYNE, CHARLES HICKOX, WM. BINGHAM,
J. H. WADE, S. T. EVERETT,

BOARD OF REVISION.

HON. JOHN H. FARLEY, MAYOR. JAY L. ATHEY, PRESIDENT OF COUNCIL.

GEO. S. KAIN, CITY SOLICITOR.

MARKETS.

CONRAD BECK, SUPERINTENDENT. PHILIP SIECHRIST, ASS'T SUPERINTENDENT.

Office of Superintendent, Central Market House.

CITY SEALER.

ALBERT GERDUM, CITY SEALER. GEORGE BARTLEY, ASS'T CITY SEALER.

HARBOR AND WHARVES.

CAPT. JOHN KIRBY, HARBOR MASTER.

CAPT. H. C. MILLER, PORT WARDEN.

Office, Main Street Bridge.

Annual Message

OF THE

MAYOR

TO

The City Council,

DELIVERED APRIL 16, 1883,

Hon. R. R. HERRICK, Mayor.

INAUGURAL ADDRESS

OF

HON. JOHN H. FARLEY

MAYOR.

MAYOR'S

ANNUAL MESSAGE.

To the Honorable City Council:

GENTLEMEN — At this, the close of my second administration as Mayor, I deem it proper to note the progress made in municipal affairs during my term of office, and to present a comprehensive statement of their condition and management during that time, and also to make a few suggestions in reference to the future conduct thereof which experience and observation have led me to believe will be of benefit to the city in the future. As is shown by Table No. 1, the bonded debt of the city had increased from $802,050 in the year 1866 to $9,284,100 January 1st, 1879. Of this $6,455,100 was created during the six years preceding 1879. The bonded debt January 1st, 1883, was $6,693,100, a reduction in the past four years of $2,591,000, with a tax levy less than that of the years preceding.

TABLE No. 1.

Tax levy.	Year. Jan. 1.	Bonded debt.	Rate of int. on bonds issued each year.	Yearly increase of bonded debt.	Yearly decrease of bonded debt.
17.25	1866	$ 802,050 00	7 and 6	$ 68,170 00	.....
17.25	1867	860,000 00	7 and 6	57,950 00	.....
19.75	1868	916,700 00	7 and 6	56,700 00	.....
19.25	1869	1,229,500 00	7 and 6	312,800 00	.....
20.3-20	1870	1,646,700 00	7 and 6	417,200 00	.....
20.75	1871	2,337,800 00	7 and 6	691,100 00	.....
12.50	1872	2,467,000 00	7 and 6	129,200 00	.....
15.50	1873	2,829,000 00	7 and 6	362,000 00	.....
16.55	1874	5,183,600 00	7 and 6	2,354,600 00	.....
18.65	1875	7,261,000 00	7 and 6	2,077,400 00	.....
18.75	1876	8,097,900 00	7 and 6	836,900 00	.....
18.75	1877	8,604,900 00	7 and 6	507,000 00	.....
17.85	1878	9,054,164 58	6 and 5	449,264 58	.....
15.35	1879	9,284,100 00	6 and 7	229,935 42	.....
15.05	1880	8,591,100 00	6	.....	$693,000 00
15.75	1881	7,915,250 00	5	.....	675,850 00
14.05	1882	7,064,450 00	4	.....	850,800 00
14.3-20	1883	6,693,100 00	3.65 and 4	.....	371,350 00

Total bonded indebtedness January 1, 1879 ..... $9,284,100 00
" " " " " 1883 ..... 6,693,100 00

Making a decrease of the bonded debt in four years $2,591,000 00

While the Sinking Fund of 1862 has paid a large amount of the bonded debt, and contributed to the payment of the city's part of repaving streets, it will be seen by reference to Table No. 2 that on the 1st day of January, 1883, there was, within $277,895.02, as large a fund in the combined Sinking Funds as shown on the 1st day of January, 1879. In the year 1878 an act amendatory of the original Viaduct act

was passed by the General Assembly, which provided for the levy of an annual tax, not exceeding two mills, to meet at maturity outstanding bonds issued during the construction of the Viaduct, and known as the Viaduct and Canal Sinking Fund. Since that date a levy has been made for that purpose, but not to the extent of two mills. The condition of the Sinking Funds, January 1st, 1883, is shown by the following table:

TABLE No. 2.

Jan. 1st, 1879—Sinking Fund of 1862	$1,816,690 53	
" " " " " General	12,392 23	
Total		$1,829,082 76
Jan. 1st, 1883—Sinking Fund of 1862	$1,121,802 12	
" " " —Viaduct Sinking Fund	420,521 97	
" " " —General " "	8,863 75	
Total		$1,551,187 74
Decrease		$ 277,895 02

There was expended during the past four years in paving, repaving, constructing sewers, extending the water works, and other permanent improvements, the sum of $1,390,806.93, which amount was paid from revenues raised without borrowing but $100,000, for which Water Works extension bonds were issued. Of this sum thus expended for permanent improvements, $535,942.91, was for paving and repaving our public streets, and $635,588.52 for the enlargement of the Water Works. The city has paid and assumed $967,499.27 since 1879 of special taxes assessed for certain special improvements, the collection of which was enjoined by the courts. In addition to this an unprecedentedly large expenditure has been necessary in keeping in passable condition the worn-out wood, concrete and McAdam paved streets. The rapid growth of our city has made extra demands upon

the several departments, and a consequent yearly increase of expenditures therein. But notwithstanding this, in none of the four past years have the ordinary expenses of the City Government equaled those of the years 1875 or 1876, as will be seen by the following table:

TABLE No. 3.

	Ordinary expenses	Decrease over 1876
1875	$887,078 26	.....
1876	930,748 12	.....
1877	888,488 29	$ 42,259 83
1878	793,392 35	147,355 77
1879	732,290 44	198,457 68
1880	784,017 62	146,730 50
1881	811,651 08	119,097 04
1882	845,306 19	85,441 93

Ordinary expenses from 1875 to 1879, were	$3,489,707 02
" " " 1879 " 1883, were	3,173,265 33
Decrease	$ 316,441 69

Table No 4 shows the saving in the interest account in 1883 over 1879 to be $170,316.49.

TABLE No. 4.

Interest paid on debt in all forms by the city in 1879	$601,151 00
" " " " " " " " " " " 1883	430,834 51
Decreases in interest account	$170,316 49

Table No. 5, showing the decrease in daily interest charge in 1883 from 1879, also the per capita debt in 1879 and 1883.

TABLE No. 5.

Interest paid per diem in 1879 was	$1,646 99
" " " " " 1883 is	1,180 37
Decrease per diem in interest account	$ 466 62
The per capita debt in 1879 was	$61 89
" " " " " 1883 is	34 38
Reduction in four years	$27 51

By the above table it will be observed that the interest to be paid by the city in 1883 will be $466.62 less per day than in 1879, and that the per capita debt of the city has been diminished nearly one-half.

Having secured the geographical and natural advantages in the location of a city, there is no way so effective and speedy to secure its permanent growth and prosperity as by a wise and judicious financial policy — one which will secure and make uniform a reasonably low tax rate from year to year. In the close competition which there is among the manufacturing and mercantile industries of the country, it often happens that a tax of a few mills upon the necessary capital employed is felt as a heavy burthen. It may, in some instances, equal the entire margin of profit in the business. In casting about for a place in which to establish an industry, capitalists will choose that city which, other things being equal, imposes the least burthen upon their resources, and if located within one where the tax rate is high, they will either

remove or make shift to conceal sufficient of their property to reduce their taxes to a reasonable sum. Whenever a low and uniform tax rate becomes the established policy of a city, and definite assurance is thereby given to capital, it will no longer dodge the assessor or take the risk of the evasion of the law; but, on the contrary, the true wealth of a city will appear upon the tax duplicate and bear its proportion of the tax required to maintain good government, and as much will be collected from the increased tax duplicate as by a high tax rate upon a less valuation. The rate of levy and valuation for the past eight years will serve as an illustration. From 1875 to 1879, there was a shrinkage in valuation on the duplicate of $3,165,638.00. The average levy during this period was 17.32 mills on the dollar. From 1879 to 1883 there was an increase in valuation of $12,544,573.00. The average levy was 14.72 mills on the dollar.

TABLE No. 6.

Levy.	Year.	Valuation.	Decrease in valuation, 1875 to 1879.	Increase in valuation, 1879 to 1883.
18.75	1875	$73,305,277 00		
18.75	1876	73,562,237 00		
18.85	1877	71,296,122 00	$3,165,638 00	
15.35	1878	70,139,639 00		
15.05	1879	70,548,104 00		
15.75	1880	73,647,194 00		
14.05	1881	*79,586,156 00		
14.3-20	1882	82,684,212 00		$12,544,573 00

* The revaluation of 1880 only increased the tax duplicate $5,938,962.00,

Comparisons are odious, especially when they are not in our favor, but as affording a practical illustration of the point I wish to impress upon you, I submit the following comparison of Cleveland with Detroit:

Detroit's levy for 1882 was 12.09 mills; amount tax duplicate	$94,891,407 00
*Cleveland's " " " " 14 1-20 " " " "	79,586,156 00
Produced in Detroit	$1,194,108 49
" " Cleveland	1,118,186 49
	$75,922 00

* The tax levy of 1881 was the revenue used in 1882. The valuation of real and personal property in 1882 was $82,684,212. The revenues derived from the increase will be used during 1883.

Twelve and nine-tenths mills produced in Detroit $75,922 more than 14 1-20 mills in Cleveland. Detroit being substantially out of debt, has nearly the entire revenue with which, after paying the ordinary expense of maintaining the city government of the year, to invest in permanent improvements. In order to secure a low and uniform tax rate, and at the same time keep pace with the requirements of a growing city, it is necessary that no large proportion of the revenue raised by taxation should be expended in the payment of interest, consequently our bonded debt should be extinguished or placed under the control of the city. (The manner of accomplishing this I will suggest hereafter.)

By the following table it will be seen that for the ordinary running expenses of the city a very small tax levy is required, while for the payment of interest and debt a large proportion of the amount collected annually is absorbed. In the year 1879, the amount of interest paid by the city was $601,151, which was $6,906.94 in excess of the levy for the ordinary expenses of that year. The levy was only 7 13-20 mills on the dollar for the ordinary expenses in 1882, yet it required a total levy of 14 1-20 mills on the dollar in order to meet the interest and maturing debt of the year.

The tax levy to meet the current expense of the City Government for 1882 was as follows, to-wit;

Bridge	4-20	mills	
Dredging	8-20	"	
Fire Department	1 19-20	"	
General Fund	1	"	
Infirmary	4-20	"	
Lighting	1 2-20	"	
Parks	4-20	"	
Police Department	1 17-20	"	
Street	15-20	"	
	7 13-20	"	which produced $620,772.04
Total amount of levy	14 1-20	"	" " $1,118,186.49

The excess absorbed in interest and sinking funds amounted to $497,-414.45, except $35,813-77 used in purchase of park and repaving.

Interest paid in 1879 was	$601,151 00
Levy for ordinary expenses in 1879 was	594,244 06
Interest account over expense account in 1879 was	$ 6,906 94

If it is desirable that the tax rate become uniform and stable in order to secure protection to our business interests, then the permanent improvements which are needed should be in a measure forecast, and be steadily and uniformly prosecuted, not faster, however, than funds can be supplied for such purposes from such low and uniform levy without running into debt. To enter upon and press many expensive improvements into two or three years, relying wholly upon the credit of the city, will defeat the attainment of this end. The effect of this latter course is to excite great activity for a time in the sphere of improvements, based upon a constantly increased indebtedness, which at length becomes so burdensome as to necessitate a suspension of all improvements for a time, until the people shall be able, by submitting to oppressive taxation, to lessen the principal of the debt and lighten the exactions for interest. This course also creates fluctuations in the labor market. The activity en-

gendered by this crowding process causes an unusual and unnatural demand for labor, wages are, for the time being, increased, mechanics and laborers are imported to meet the demand. When the days of reaction come, as they surely will, and the city is forced to suspend its efforts, its employes are suddenly thrown out of work into enforced idleness. Take, for illustration, the years 1873 and 1874. Municipal corporations all over the land vied with each other in making public improvements and in piling upon themselves municipal debt, from the effects of which many have not yet fully recovered. In some instances property was absolutely confiscated for the taxes imposed. Our own city was not an exception to the common practice. In the years 1873 and 1874, the bonded debt of the city was increased $4,432,000, which required an additional tax levy of $283,580 yearly to meet the interest, an amount which, had a different policy been pursued, would have gone far towards paying for the improvements which were made, instead of having been entirely lost to the tax-payer. In order to illustrate the evil of the policy of creating a large bonded debt covering a long period of years, I have prepared the accompanying table showing the workings of this method in paying for the Viaduct. Work upon this structure was begun in 1873, and the entire cost, amounting to $2,138,000, was paid with borrowed money. The first bonds were issued in 1873, and additional issues were made at varying intervals as the work progressed, until it was completed, in 1878. They bear interest at seven, six and five per cent., and are payable twenty and thirty years from date. Their payment was extended over this period so that, as it was claimed, posterity might help to bear the burthen of its cost. What is the result? When the installment for 1883 is paid, there will then have been paid for interest on the Canal and Viaduct debt $1,052,660, a sum equal to one-half the cost of the Viaduct; yet the

original debt remains undiminished. As the city has little revenue except by direct taxation, and as it makes no difference whether the tax collected goes to pay principal or interest, would it not have been better to have paid for the work as it was being performed by revenue derived from taxation and the use of means within the control of the city? As it is, we will pay annually, for twenty years, $131,210 for interest on Viaduct bonds; also into the Viaduct sinking fund, to meet these bonds at maturity, the annual sum of $100,650, making a total of $231,860 which will be raised each year, to which add for the thirty-year bonds $62,500, when, if the bonds are met at maturity, we shall have paid as follows:

Original cost of Viaduct	$2,138,000 00	
Total interest paid on bonds	2,686,700 00	
Excess of interest over cost	$ 548,700 00	
Total expense when paid		$4,824,700 00

Amount of Viaduct bonds outstanding, and interest on same.

Rate of interest.	Bonds.	Mature.	Time.	Total interest.
7 per cent.	$148,000 00	1893	20 years	$207,200 00
7 " "	270,000 00	1894	20 "	378,000 00
6 " "	300,000 00	1895	20 "	360,000 00
6 " "	500,000 00	1896	20 "	600,000 00
5 " "	125,000 00	1907	30 "	187,500 00
6 " "	225,000 00	1897	20 "	270,000 00
6 " "	570,000 00	1898	20 "	684,000 00
Total interest				$2,686,700 00
Total bonds				2,138,000 00
Total Viaduct bonds and interest				$4,824,700 00

The Canal bonds, amounting to $275,000, are not included in the above, the city having received from the Valley Rail-

road Company $265,000 of its 7 per cent. bonds for the lease to the said company of the canal lands.

I propose now to show how the present Water Works debt and interest, together with the cost of the contemplated extension of the Water Works, can be liquidated within twelve years from date by the issue of only $300,000 more bonds, and without any levy whatever after the year 1886. The present debt, January 1st, 1883, for Water Works purposes, is $900,000. It is estimated that the cost of constructing the new reservoir, the land, and the necessary extension of the main pipes will amount to $1,200,000. Bonds to the amount of $100,000 were issued for this purpose in 1882, and are included in the above sum of $900,000. Only $300,000 will be issued — $100,000 each year for three consecutive years. By proper management we can pay the balance of the cost of this improvement, viz., $800,000, and provide for the payment of the entire Water Works debt, principal and interest, at maturity from the earnings of the department. The aggregate amount to thus be provided for will be $2,626,850. (A practical illustration is furnished us in the policy adopted in 1880. It was discovered that unless the water supply was increased a failure to meet the demand upon this department was imminent. Steps were taken to enlarge the works to meet this demand. The expense, amounting to over $200,000, was provided for by authority to issue the bonds of the city to that amount. The work was undertaken and prosecuted to completion and paid for from the earnings of the department without a resort to the use of bonds, none of which were issued.)

The following table shows the amount of bonds now outstanding, those yet to be issued, the dates of maturity, the aggregate interest at maturity, the estimated additional cost for Water Works extension, and the source whence is to be

derived the necessary revenue to meet all as demanded, without the aid of taxation after 1886:

Bonds maturity in 1892	$400,000 00
" " " 1893	200,000 00
" " " 1895	200,000 00
	100,000 00
Total	$900,000 00

Total indebtedness of the Water Works Department, including outstanding bonds, bonds to be issued, and additional cost of contemplated improvement:

Bonds outstanding in 1881	$800,000 00	
Bonds issued " 1882	100,000 00	
" to be issued " 1883	100,000 00	
" " " " 1884	100,000 00	
" " " " 1885	100,000 00	
Additional cost of contemplated improvement	800,000 00	
Interest on bonds from 1886 to 1894	626,850 00	
Total		$2,626,850 00
Net earnings of the department from 1882 to 1894 inclusive, at an average of $200,000 per year		2,600,000 00
Difference		$26,850 00

Net earnings of department for 1879	$126,374 13
" " " " " 1880	146,463 03
" " " " " 1881	171,205 61
" " " " " 1882	185,779 82

From this table it will be observed that the average yearly gain in the net earnings of the Department during the past three years was $19,801.89. The amount of net earnings

from 1883 to 1894, both inclusive, with the ratio of increase of the last three years, will be $3,773,905.26. This amount will provide for the indebtedness as hereinabove set forth, leaving a balance of $1,147,055,26, which can be used as needed to extend water pipes, etc., to this may be added also the revenue derived from investment, after 1886, on the yearly earnings under the control of the Sinking Fund Commissioners.

As has been shown, provision has been made to meet the Viaduct bonded debt by a direct annual tax levy. This accumulation, together with the earnings of the funds in the hands of the Sinking Fund Commissioners, go to the credit of the Viaduct Sinking Fund, and will secure payment of this class of bonds at maturity, no portion of which can be paid until the year 1893, from which date some portions fall due annually to the year 1907 inclusive. The amount to the credit of this fund January 1st, 1883, was $420,521.87. If the policy of using the earnings of the Water Works in the construction of the extension be adopted, and not more than $300,000 of Water bonds be issued, the entire Water Works debt is provided for, including the contemplated enlargement. The General Sinking Fund will be replenished by annual tax levies, as in the past, as long as there is any outstanding bonded debt not otherwise provided for. Whatever policy be pursued, however, the present bonded debt of the city has a sinking fund pledged for its redemption.

We now come to the sinking Fund of 1862. The objects for which this Sinking Fund was created have been accomplished, the Water Works bonds for which it was pledged, have all been paid, and a balance remains in the Fund January 1st, 1883, of $1,121,802.12. The question naturally arises: what is the best disposition to make of this Fund? By an amendment to the original act of 1862, passed one year ago, it was provided that "the residue of said Fund, after

providing for repaving of streets and extension of Water Works, shall be applied to the payment of the general bonded indebtedness of the city." With a view to securing to the tax-payers the benefit of all taxes collected to meet the interest on bonds hereafter issued, would it not be good financiering hereafter to sell all general bonds issued by the city to the Sinking Fund of 1862, until the entire residue of said fund is absorbed? The bonds to bear a reasonable rate of interest and to be cancelled at the pleasure of the City Council, after this fund becomes exhausted, thus placing to that extent the debt under the control of the city, and instead of selling the choicest securities now held by this fund, transfer them to the Viaduct Sinking Fund as rapidly as the yearly tax and earnings of said Viaduct Fund will permit. If this is done, the bonded debt of the city will be provided for as follows, leaving the fund of 1862 with which to hold the control of any future issue of bonds:

Water Works bonds outstanding at completion of contemplated extension, to be paid with its earnings	$1,200,000 00
Viaduct bonds to be paid by Viaduct Sinking Fund	2,138,000 00
Special bonds paid by assessment	750,000 00
	$4,088,000 00
Deduct Water Works bonds yet to be issued	300,000 00
	$3,788,000 00
Funded and General bonds maturing during the years intervening to 1897, to be paid from General Sinking Funds	$2,905,100 00
Total bonded debt January 1, 1883	$6,693,100 00
Amount of Sinking Fund of 1862 as a capital by which to control and extinguish debt after the repaving is completed, January 1, 1883	$1,121,802 12

The practice of borrowing money whenever any improvement is to be made by the city is a pernicious one. Especially is this so where bonds are issued extending over

long periods of time, so that at maturity the interest thereon equals or exceeds the principal or the original cost of the improvement. The demand for improvements will continue as the city grows, and for the most part must be yielded to. If this practice be also continued and money raised to pay therefor upon the credit of the city, no sooner will one improvement be completed than another will follow, and each in turn will be delivered to the city with a mortgage thereon, which, before it is lifted, will equal if not exceed double the cost of the improvement itself. The result is that the taxpayers who bear the burthen must pay twice for every improvement they get. The amount of interest paid by the city during the past four years only, was $2,133,245.97. Had the practice prevailed in the past of paying for what we got as we went along, this enormous sum might have been raised and expended for permanent improvements, while the rate of taxation would have remained unchanged. There should be an effort to extricate the city from debt as rapidly as it can be done without inconvenience or detriment to her growth, in order that her people may reap the full benefit of the revenue collected from them by taxation. This can be accomplished without suspension of needed improvements, provided it be prosecuted systematically, and all high pressure notions avoided. When we realize that the interest paid by the city during the past four years would have paid for so large a structure as the Viaduct, it is easy to see that more valuable improvements can be made on the "pay as you go" principle than by the credit system. There is, at the present time, a pressing need for an intercepting sewer to relieve the Cuyahoga River of the filth that is now emptied into it from Walworth and Kingsbury Runs, and sewers along its banks. Unless this is built, it will not be many years before our water supply will become so contaminated as to be unfit for use. This important improvement is a uni-

versal public necessity, and will cost, according to the report of Rudolph Hering, the engineer employed by you the past year, $764,000. This work will require years for its completion, and being divided into three parts or sections, as suggested in the report submitted, the section or part most needed, and which should be first constructed, is that which embraces Walworth Run and the sewers along the line thereof. The estimated cost of this section is $195,000, and there should be no delay in beginning work upon it. Although the other portions of this sewer, especially the Kingsbury Run section, are much needed and should be built with all reasonable haste, still the necessity for them is not so great but that the construction of them can be delayed until after the Walworth Run section is completed. By building one section at a time, the project can be kept steadily and continuously under way and completed and paid for within the next four or five years without enlarging the city debt or increasing the tax levy.

There is no immediate urgency for a new City Hall. The present building will fully answer the requirements of all the departments until the expiration of the lease in the year 1900. A large part of the building is not used or needed for city business, and the city derives a revenue from its rentals which will increase in amount from this time to its termination. The rooms are well lighted and ventilated and supplied with all needed conveniences. The structure would be no discredit to a city of even greater pretentions than Cleveland. It is fully as good as our people can afford to furnish their officials and servants. When we have provided pure water, proper sewerage, paved and well lighted streets, and adequate police and fire protection, there will then be time enough to consider elevated highways, embellished Parks, and a City Hall, and then, I doubt not, will be as soon as our constituents will consent to furnish the money.

The following tables, compiled from the full and comprehensive report of City Auditor Ford, will show the management of the funds of the city during the year ending December 31, 1882. Table No. 1 exhibits the receipts and disbursements of each fund for 1882, and the balances on hand January 1, 1883:

TABLE No. 1.

RECEIPTS AND DISBURSEMENTS.

Name of fund.	Receipts including balance on hand January 1,1882.	Disbursements.	Balance on hand January 1, 1883.
Armory	$ 692 73	$ 677 74	$ 14 99
Bridge	38,802 48	34,122 15	4,680 33
Dredging	80,831 50	74,494 78	6.336 72
Fire Department	160,936 21	160,801 08	135 13
General	144,746 69	134,299 60	10,447 09
House of Correction	113'717 02	93,355 94	20,361 08
Interest	366,527 56	*376,581 84	.....
Infirmary	45,753 46	39,790 93	5,962 53
Lighting	101.167 71	100,162 07	1,005 64
Market	40,717 56	39,416 25	1,301 31
Police Court	30,772 86	26.068 73	4,704 13
Police Department	152.106 18	148,039 10	4,067 08
Park	16,492 99	13,963 94	2,529 05
Street	95,117 04	94,525 77	591 27
Sanitary	21,051 75	20,329 32	722 43
Sinking for general bonds	118,673 04	109,809 29	8,863 75
Viaduct and Canal Sink.	420,521 87	.....	420,521 87
Water Works	417,533 49	393,268 72	24,264 77
Sinking Fund of 1862, together with the earnings of 1882	1,343,663 76	221,861 64	1,121,802 12
Total	$3,709'825 90	$2,081,568 89	$1,638,311 29

* By an oversight in not transferring $20,000 appropriated from the Water Works to the interest account before January 1st, this account is shown to be overdrawn $10,054.28, whereas in fact it should have been in credit $9,945.72.

It will be seen that the entire monied resources of the city for 1882, estimating the assets of the several sinking funds at par, was $3,709,825.90; the disbursements $2,081,568.89, and the balance on hand January 1st, 1883, $1,638,311.29, and every fund except the Interest in credit.

Table No. 2 presents an analyzed statement of the disbursements from the General Funds. The total disbursements from these funds was $1,372,638.38. The ordinary expenses, including Water Works, was $917,244.41. The sum of $25,100, while it shows in this table an expenditure, was a transfer from one fund to other funds, and must appear as an expenditure in keeping the accounts. There has been expended by the General Fund during the year, as shown, for new buildings, land, and Water Works extension, the sum of $375,276.67.

TABLE No. 2.

ANALYZED STATEMENT OF DISBURSEMENTS—GENERAL FUND.

Funds.	Ordinary expenses.	Am't paid for work done in former years.	New build'gs, lands and other improvements.	Cost of Court, Judges and miscellane'us expenses.	Amount of taxes paid.	Amt. transferred to other funds.	Total Disbursem'ts
Bridge	$ 34,122 15	.....	.....	.....	.....	.....	$ 34,122 15
Dredging	31'974 78	$42,520 00	.....	.....	.....	.....	74,494 78
Fire Department	154,686 94	.....	$ 6,114 14	.....	.....	.....	160,801 08
General	115,443 34	.....	6,358 99	$951 43	$11,545 84	.....	134,299 60
House of Correction	86,882 28	.....	6,473 66	.....	.....	.....	93,355 94
Infirmary	39,790 93	.....	.....	.....	.....	.....	39,790 93
Lighting	95,808 62	.....	4,353 45	.....	.....	.....	100,162 07
Market	8,884 86	.....	5,431 39	.....	.....	$25,100 00	39,416 25
Police Court	12,846 75	.....	13,221 98	.....	.....	.....	26,068 73
Police Department	148,039 10	.....	.....	.....	.....	.....	148,039 10
Park	7,959 37	.....	6,004 57	.....	.....	.....	13,963 94
Street	87,860 01	.....	6,665 76	.....	.....	.....	94,525 77
Sanitary	20,329 32	.....	.....	.....	.....	.....	20,329 32
Water Works	72,615 96	.....	320,652 76	.....	.....	.....	393,268 72
Total	$17,244 41	$942,520 00	$375,276 67	$951 43	$11,545 84	$25,100 00	$1,372,638 38

Table No. 3 shows an increase of $33,655.11 in ordinary expenses over 1881. This increase I attribute to the natural result of the demands of a growing city. The increase has been uniform since 1879. The excess in 1880 over 1879 was $51,727.18; in 1881 over 1880, $27,633.46; and as shown, last year the excess was $33,655.11. The cost of running the city departments in 1879 was $198,457.68 less than in 1876, and notwithstanding this yearly increase, it cost $85,441.93 less in 1882 than in 1876. The principal increase in expenses as shown, is in the Fire, Police, Street, Sanitary and Lighting Funds.

TABLE No. 3.

DISBURSEMENTS.

Fund.	1881.	1882.	Increase.	Decrease.
Armory	$ 824 00	$ 677 74	.....	$ 146 26
Bridge	34,667 33	34,122 15	.....	545 18
Dredging	56,766 57	31,974 78	.....	24,791 79
Fire Department	145,533 35	154,686 94	$ 9.153 59	.....
General	116,546 13	115,443 34	.....	1,102 79
House of Correction	79,052 10	86,882 28	7,830 18	.....
Infirmary	39,528 41	39,790 93	262 52	.....
Lighting	88,153 46	95,808 62	7,655 16	.....
Market	9,977 20	8,884 86	.....	1,092 34
Police Department	133,440 40	148,039 10	14,598 70	.....
Police Court	10,918 34	12,846 75	1,928 41	.....
Park	8,947 09	7,959 37	.....	987 72
Sanitary	16,044 44	20,329 32	4,284 88	.....
Street	71,252 26	87,860 01	16,607 75	.....
Total	$811,651 08	$845,306 19	$62,321 19	$28,666 08
Deduct	.....	811,651 08	28,666 08	
Net increase	.....	$33,655 11	$33,655 11	

Table No. 4 shows the General and Special bonded debt of the city on the 1st of January, 1883, to be $6,693,100.00

TABLE No. 4.

General bonds outstanding January 1, 1883.		
Water Works	$ 900,000 00	
Funded Debt	1,931,000 00	
Infirmary	30,000 00	
Dredging	20,000 00	
Park	315,000 00	
Canal	275,000 00	
Viaduct	2,138,000 00	
House of Correction	184,000 00	
School	150,000 00	
		$5,943,000 00
Special indebtedness—Bonds outstanding January 1, 1883—		
Street improvement	$109,400 00	
Street damages	351,400 00	
Sewers	289,200 00	
		$750,100 00
		$6,683,100 00

The city's bonded indebtedness has been rapidly decreasing during the past four years. Table No. 5 shows the management of the city's debt during the past year, also a decrease of $371,350.00 in 1882.

TABLE No. 5.

General bonds paid in 1882.		
Infirmary	$ 6,000 00	
Dredging Cuyahoga River	22,000 00	
Lake View and Monumental Park	3,250 00	
School	100,000 00	
		$131,250 00
Special bonds paid in 1882.		
Street improvements	$164,500 00	
Street Damages	193,300 00	
Sewers	68,300 00	
		426,100 00
		$557,350 00
General and Special bonds issued in 1882		
Water Works	$100,000 00	
Funded debt	86,000 00	
		186,000 00

Total bonded debt January 1, 1882	$7,064,450 00
" " " " " 1883	6,693,100 00
Decrease of bonded debt in 1882	371,350 00
Reduction of bonded debt in 1879	$ 693,000 00
" " " " " 1880	675,850 00
" " " " " 1881	850,809 00
" " " " " 1882	371,350 00
Total decrease	$2,591,000 00

Table No 6 is a full statement of all forms of indebtedness of the city, as well as a comparison of the same with January 1st, 1882. By this table is shown a reduction during the year of $223,205.55, while in fact it should be $285,-

578.85. The item "temporary loans," amounting to $63,-373.30, can in no way be considered a debt, although it must appear so in making up this table. This amount represents advances made to property owners during the past year for street improvements, and will be paid back within the year. This table also shows the reduction of debt in all forms during the past four years.

TABLE No. 6.

COMPARISON OF THE CITY DEBT IN ALL FORMS JANUARY 1, 1882 AND 1883.

Januarw 1, 1882.		
General bonds outstanding	$5,888,250 00	
Special bonds outstanding	1,176,200 00	
Notes for Pelton Park outstanding	16,666 68	
Notes for dredging loan outstanding	18,000 00	
Certified estimates outstanding	2,283 34	
Overdrafts in special accounts	242,019 09	
Total debt January 1, 1882		$7,343,419 11
January 1, 1883.		
General bonds outstanding	$5,943,000 00	
Special bonds outstanding	750,100 00	
Certified estimates outstanding	2,283 34	
Overdrafts in special accounts	361,456 92	
Bank street sewer note (temporary loan)	3,300 00	
Repaving notes	60,073 30	
Total debt January 1, 1883		7,120,213 56
Decrease of total debt in all forms in '82		223,205 55

COMPARISON OF THE MUNICIPAL LEVY OF 1881 AND 1882

City levy of 1882, being 14 3-20 mills per dollar on a valuation of $82,684,212	$1,169,981 60
City levy of 1881, being 14 1-20 mills per dollar on a valuation of $79.586,156	1,118,186 49
Levy of 1882 greater than that of 1881 by	$57,794 11
Total debt in all forms January 1, 1879	$9,539,836 84
" " " " " " " 1883, after deducting temporary loan, $63,373.30	7,056,840 26
Total reduction of all forms of debt since 1879	$2,482,996 58

TABLE No. 7.

DEPARTMENTS THAT ARE SELF-SUSTAINING.

Departments.	Income.	Ordinary expenditures.	Balance.
Water Works	$251,432 29	$72,615 96	$178,816 33
Police Court	21,775 42	12,846 75	8,982 67
Market	34,103 00	8,884 86	25,218 14
Total	$307,310 71	$94,347 57	$212,963 14

PUBLIC IMPROVEMENTS.

The reduction of the bonded debt of the city, together with the use of means at your disposal, have enabled the prosecution, without any increase of indebtedness, of a much larger amount of permanent improvements during the past year than for many years prior thereto, and will permit its continuance during the present year with the same vigor and

to the same extent. Several contracts have already been executed looking to the construction of several miles of paving. Water Works extension, and other valuable and needed improvements during the year 1883, to be paid for without recourse to the credit of the city, except the bonds that may be issued to pay for a portion of the work done by the Water Works Department. During the past year 7 68-100 miles of first-class Medina stone pavement and 4 34-100 miles of sewers have been laid at an expense of $491,168.27, as well as other permanent work. The aggregating cost of all was $945,751.34. We are now in condition to proceed steadily, year by year, with reasonable expenditure for improvements, and to pay for the same without increasing the tax levy or indebtedness, a consummation long looked for and much desired.

POLICE DEPARTMENT.

This department has rendered much valuable service during the past year in the protection of the lives and property of our citizens as well as in the preservation of order and the enforcement of law, and is especially deserving of commendation for efficiency and good conduct during the labor trouble in the Eighteenth ward. Notwithstanding the extraordinary demands made upon the funds of this department, at the close of the year it had to its credit the sum of $4,413.13. Two new station houses have been built and paid for at a cost of about $12,000; also repairs upon the Central Station to the extent of $2,000. All of the station houses, except at Newburgh, have been renovated and placed in good condition. One lot was purchased, upon which was built the Swiss Street Station house. The lot upon which the Willson Avenue Station House was erected was donated by Mr. Morgan. The force has been increased by the addi-

tion of twelve patrolmen during the year, giving a total of 174, of which number 140 are patrolmen. Much more has been accomplished in permanent improvements during the past year than during several years preceding, the ability to pay for which has been largely due to the management of the police court through its efficient officers. As soon as the funds will admit, there should be a station house built and properly equipped in the Fifteenth ward; also the introduction of the system already adopted by several other cities, (and the same which I urged upon your consideration in a former message,) known as the Rapid Transit or Police Telephone System. Wherever it has been introduced it meets with the highest commendation, and is, in my opinion, more effective and less expensive than any means yet known by which to make police work meet the requirements of the age in a large city.

FIRE DEPARTMENT.

The efficiency of this department has been fully equal to that of any preceding year. It to-day, as in the past, takes rank for efficiency with the best in this country. Its officers and men are active, well disciplined and courteous. This department is deserving of your fostering care to the end, that such aid be furnished as is required to maintain their present high reputation.

WATER WORKS.

The report of the Trustees and Superintendent are worthy your careful consideration. This department has become one of the most important in the city, and its close relation to the vital interests of the city, makes it necessary that its management be kept under the control of men

of ripe experience and sound judgment. The property in their charge has cost over three million dollars, and the extensión now under prosecution will swell this amount to over four millions. The management of the department during the past few years cannot but be satisfactory. In the past there has been a steady increase in the revenues, and if the same care be exercised in the future as in the past, this department will from this time on not only be self-sustaining but will provide for all future reasonable demands of our citizens. Their report shows a net earning in 1882 of $186,301.43, and that there was expended in permanent improvements and extension of works during the year the sum of $355,968.23, and that the average increase in earnings for the past three years was $19,801.89. The earnings of this department used in construction, as shown, will provide for all future demands of the public.

THE WORK HOUSE AND HOUSE OF REFUGE AND CORRECTION.

With the management of these institutions during the past year we have reason to be satisfied. The report of this department shows that economy and business tact have been exercised in the management of its affairs, which have produced good results financially.

January 1, 1882, the balance in the City Treasury to the credit of the Work House Fund was	$ 4,650 51
Book accounts collected during the year	38,771 70
Realized from sale of brushes	62,337 54
Fines and sundry sales	8,403 32
Receipts of year	$114,163 12
Disbursements of year	93,354 94
Balance on hand January 1, 1883	$ 20,808 18

Considering the fact that in May, 1881, the former Board of Directors asked that a tax be levied which should secure for the use of this department the sum of $25,000, and the impression made thereby which induced the making of the levy in 1882. No part of the levy of 1882, amounting to over $16,000, has, up to this date, January 1, 1883, been used, and will be placed to the credit of this fund, in addition to the balance, $20,808.18, shown above, presents a condition of affairs which must be gratifying to all. There have been also many valuable permanent improvements made and paid for since August 1st, 1881, at a cost of $8,692.84, exclusive of the labor performed by the inmates. This labor has been used largely in the construction of the several new buildings as well as the general repairs at the institutions. The plan adopted by the new Board of using this labor has proved a success, and exhibits good business management.

PARKS.

Through the generosity of a public spirited citizen the city has become the possessor of another beautiful park. This gift will be an enduring monument to the donor, whose name it bears. It will be cherished and cared for by the city for all time, and generations yet unborn will acknowledge their gratitude to the memory of the giver for having furnished to them a free pleasure ground. The Commissioners recommend the purchase of the ravine through which Doan Brook runs, from Wade to Gordon's Park. This recommendation should be acted upon at an early day, as at present there are no improvements upon this land, and it can be purchased or appropriated at a small cost, and when acquired will make for Cleveland a large and beautiful Park. There has been expended upon the Parks of the city during the past year the sum of $13,963.94. The balance credit to this fund January 1st, 1883, was $2,529.05.

LICENSE.

Steps looking to the enactment of a wholesome license law by which to relieve the burthen imposed upon real and personal property, is worthy your attention. Heretofore little revenue has been derived from this source. There is no good reason why persons doing business requiring extra police and fire protection should not contribute to their share of this burthen. The entire revenue derived from license in 1882 was $15,904, of which amount $4,780 was from the Dog tax. There is no other city with such a record.

CONCLUSION.

At the municipal election four years ago, when called upon to assume the responsible position of Mayor, I promised to devote my entire time and energies to the duties of the office. In doing so I have found the position no sinecure. The burden of municipal taxation, a result of the ill-advised methods of management in the past, was causing much complaint. The administration of my immediate predecessor had done much in checking lavish departmental expenditures, and requiring all departments to live strictly within their income. But he was powerless to prevent the issuing of bonds to pay for improvements then under way for which no other means had been provided. To him much credit is due for the stand he took against extravagance and mismanagement in every direction. To continue the good work begun by him, and to lift from the shoulders of the tax-payers as much of the burden, which was the source of their complain, as was possible, has been the object of my efforts. To accomplish this, I have devoted my time and labor. With the results obtained I feel satisfied and amply repaid.

To the several Departments and Boards of the City Government, and the members of this and former Councils who

have encouraged me by their support and contributed by their aid, I desire to tender my grateful acknowledgements. It is with a feeling of great relief that I now cast the mantle of office upon the shoulders of my successor, than whom there are none more worthy to wear it, nor more able to bear the cares, responsibilities and high honor which attaches to the chief executive office of this beautiful and prosperous city.

Respectfully submitted,

R. R. HERRICK, *Mayor.*

INAUGURAL ADDRESS

OF

Hon. Jno. H. Farley, Mayor.

INAUGURAL ADDRESS.

Gentlemen of the Council:

By the act of the majority of the citizens of Cleveland, expressed in accordance with the law of the State and the cherished custom of our country, we, to-night, enter upon our official duties. It is my earnest hope that we devote ourselves to a faithful performance of those duties, with a manly determination to shirk none of the responsibilities devolving upon us. I hope you will not consider it offensive or meddlesome, on my part, to offer suggestions for your consideration. My former experience, and, I trust, proper motives prompt me to impart my views, with the hope that you will give to my suggestions such study and attention only as your duty and best judgment may dictate.

Gentlemen of the Council, the great danger that besets justice, a danger that you will often be called upon to face, is the "lobby." Remember that you are the guardians of the rights of all our citizens, and that the lobby only represents special interests; that it is your duty to stand between

the general interests of the people and the selfish special interests of individuals or factions. To further protect the general interest and discourage the growth and perpetuity of the lobby, I would recommend the adoption of such rules and orders as will prohibit lobbyists and solicitors from entering within the bar of the chamber. Without desiring to cast the slightest reflection on any part of the present Council, but for the purpose of elevating the tone and character of the body, believing it to be a healthy safe-guard to fair. unbiased legislation, I recommend the passage of an ordinance amendatory to Chapter XVIII of the Revised Ordinances, making it a misdemeanor, punishable by expulsion, for any member of the City Council to accept anything of value as a fee or retainer for any service to be performed as such member, and to bar any member from voting upon any subject in which he may be interested as attorney or principal. In order to prevent hasty, ill-considered legislation, and to make the journal the complete record the Statutes contemplated, I recommend that Section 1693, page 527, Revised Statutes (so long violated) be strictly complied with, which statute reads as follows: "Ordinances, resolutions and by-laws shall require for their passage or adoption a concurrence of a majority of all the members elected, and the vote on their passage or adoption shall be taken by yeas and nays, and recorded on the journal."

I would also respectfully recommend the passage of an ordinance amending the sections of the Revised Ordinances regulating the duties of the City Weigher, Lumber Inspectors, and, in fact, all officers paid by fees, in such manner as will compel such officers to report monthly a full and complete transcript of fees received and work performed. As our city covers more territory, probably, than other cities in the States of equal population, so also, in the same ratio, will the care of streets, sewers, lighting, etc., be relatively

more expensive than in cities more compactly built and possessing narrow streets. Either the present method of street cleaning by contract is a failure, or the levy for the street fund has been inadequate, or mismanaged. If, in your judgment, the method is faulty, an appeal should be made to the Legislature next year to change the law. You will remember, however, that the fund provided for all purposes for this year is fixed by levy of last year. Thus, gentlemen, you must understand that while you will be importuned and criticized by the press and your constituents on account of the uncleanliness and darkness of the streets, you will be confronted with the limited condition of the funds on hand, which limit the law prescribes, and you must respect and cannot exceed it. In connection with the subject of street cleaning, I would suggest and recommend that Section 903 of the Revised Ordinances be amended so as to prohibit the scattering broadcast, through the streets, of hand bills, "dodgers," or other advertising devices; and also to prohibit the depositing in streets, sweepings, shavings, dressings of telegraph poles, or other litter from new buildings, stores or dwellings. One of the most important demands on your attention is the subject of hospital accommodation for the unfortunate victims of accidents. Humanity and the good name of the city demand that immediate arrangements be made either by procuring accommodations at the hospitals now in existence, or the establishment of quarters sufficient to meet the requirements of decency by the city. I hope your honorable body will embrace the earliest opportunity next winter to petition the Legislature to pass an act authorizing cities of our grade to regulate and inspect steam boilers, and to allow the appointment of a board of inspectors to examine, qualify, and license men in charge of the same. Such a law would go far to increase public safety from boiler

explosions, and would decrease the smoke nuisance, now so much complained of, the best and cheapest smoke preventive yet discovered being intelligent stoking and good fuel.

I desire to impress upon the Council the necessity for an increase of the Fire Department Fund. That department was considerably short last year, and you cannot fail to remember that a great portion of the apparatus is old and worn, and should be replaced with new. The lighting of streets is also an important feature and should not be neglected. You will, however, in this particular, again be confronted with a lack of funds for the current year. The experiment of lighting by the present system of electricity is found to be about two and one-half times more expensive than the old system, although darkness has been increased in many localities, within a radius supposed to be illuminated by masts, by removing gas lamps in order to make a favorable showing, in cost, for the electric mast system. I desire to call your attention to this matter now, that you may give it careful study, and act intelligently on this subject when the present lighting contracts expire. I would recommend that in certain streets, when electric lighting may be desired by the property owners, it be granted only on condition that they consent to a special tax per foot front on streets so lighted for all additional cost above the cost of ordinary street lighting. The just cause of complaint against taxation is not so much on account of the amount raised, as the manner in which it is expended. You must insist that all contracts for improvemants be carried out to the letter, and no work accepted or paid for that does not fully meet all the provisions of the contracts. I would recommend, in view of our recent and past experience in floods, an amendment to Section 646 of the Revised Ordinances, to prohibit the building of bridge piers in the center of streams for any

bridge above Columbus street, and that all such piers be built on shore so as to avoid any obstruction to the free flow of drift and ice.

I also call your attention to Section 393 of the Revised Ordinances, which creates the position of Port Warden, a position neither useful nor ornamental, enacted for the purpose of healing the wounds of a defeated candidate. In justice to your constituents the office should be abolished, and the expenditure put to better use. I respectfully call your attention to the unbusiness-like provisions of Section 206 of the Revised Ordinances, defining the duties of Cemetery Trustees. The bills and business of this department should pass through the hands of the City Auditor, and be subjected to the inspection of auditing committees, in the same manner as the accounts of other departments. Their funds should be paid out only upon the vouchers of the Auditor on the Treasurer, and their receipts should be deposited with the City Treasurer. As now conducted, neither Auditor nor Treasurer has any knowledge of this department. I hope you will concede the necessity of having all the accounts properly checked, and one set of books that will at all times show the condition of all the departments. I trust that you will immediately take the necessary steps for the correction of this error.

Without desiring to cast any reflections, but in justice to the retiring Treasurer, and as a matter of satisfaction to the citizens of the city, I respectfully recommend that a competent committee of disinterested persons be appointed by your honorable body to thoroughly audit the books and accounts of the Treasurer's office from the beginning of the fiscal year of 1869 to date. I would respectfully recommend that Chapter XXII of the Revised Ordinances be so amended as to require the City Treasurer to deposit all moneys that may

come into his possession in not less than three national banks of the city under the supervision of the Treasurer, City Auditor, and the Committee on Finance of the City Council; and that the earnings on said deposits shall be credited to the general fund of the city. Also that all fees of whatever kind and nature that may have been heretofore allowed the Treasurer, be credited to the general fund of the city. Should there be any provisions of the statute now undiscovered preventing the amendments herein recommended, I earnestly request your honorable body to petition the General Assembly for their removal, believing that the adoption of this course would enhance the general fund many thousand dollars annually. I also recommend that the chapter above referred to be further amended so as to provide for an annual auditing of the affairs and accounts of the Treasurer's office by a disinterested committee to be appointed at the second regular meeting in December of each year, which committee shall report the result of their findings to the Council at the first regular meeting in January; and that the Treasurer shall report to the Council at the first regular meeting in each month the average balance in the treasury, giving the amount and place of deposit. I further recommend, on general business principles, that the salary of the Treasurer be fixed at $5,000 per annum, and that the city also provide him with a clerk at such salary as the Council may fix, the Treasurer, however, to have the right to appoint such clerk. The hardship of stripping the new Treasurer of perquisites that may have heretofore drifted into that department may be used by some as an argument against immediate action, but I appeal to you to be governed only by your honest convictions of duty to your constituents. Let all your ordinances of a penal character be tempered with justice and moderation; let the penalties imposed be corrective, rather than inflicted for the purpose of enriching the city.

In all acts performed by the Council and city officials as a part of the municipal government, whether legislative or executive, we should all bear in mind that we are the servants of the citizens of Cleveland, and that he serves his party best who serves the people well.

JOHN H. FARLEY,

Mayor.

REPORTS OF

CITY OFFICIALS

ANNUAL REPORT

OF THE

CITY AUDITOR

OF THE

CITY OF CLEVELAND,

FOR THE FISCAL YEAR ENDING DECEMBER 31, 1882.

REPORT OF THE CITY AUDITOR.

CLEVELAND, O., January 22, 1883.

To the Honorable City Council:

GENTLEMEN:—I herewith submit the annual statement of the accounts and finances of the City of Cleveland for the year 1882, embraced in tables numbered from one to twenty-four, inclusive, and showing as follows:

TABLE 1.—A general exhibit of resources and disbursements of 1882.

TABLE 2.—An analysis of resourses and disbursements of each general fund for 1882.

TABLE 3.—A comparison of ordinary expenses of each department and funds paid by ordinance, for 1881 and 1882.

TABLE 4.—Sums appropriated and sums paid from the sinking fund of 1862 for the city's part of cost of repaving certain streets.

TABLE 5.—Loans authorized and loans made from the sinking fund of 1862, in anticipation of the collection of assessments for repaving certain streets.

TABLE 6.—Aggregate amount paid in 1882 for repaving certain streets.

TABLE 7.—Special debt paid by the city at large to January 1, 1883.

TABLE No. 1.

GENERAL EXHIBIT OF THE RESOURCES AND DISBURSEMENTS OF THE CITY OF CLEVELAND FOR YEAR 1882.

RESOURCES.		
Cash in hands of City Treasurer January 1, 1882		$289,711 71
Proceeds of general taxes	$1,125,517 82	
Proceeds of special taxes paid to County Treasurer	399,203 85	
Proceeds of special taxes paid to City Treasurer	91,901 86	
Proceeds of sale of funded debt funds	86,172 00	
Proceedings of Water Works bonds	100,062 50	
Temporary loan (Bank street sewer)	5,500 00	
Temporary loans (repaving streets)	60,073 30	
From Sinking Fund Commissioners, (city's part of repaving)	218,132 56	
From Sinking Fund Commissioners, (special debt assumed)	3,729 08	
From Sinking Fund Commissioners (from General Sinking Fund)	109,250 00	
From Broadway and Newburgh Street Railway Co	3,626 68	
From N. Y. C. & St. L. Railway Co.	15,000 00	
Receipts to the Armory Fund	365 00	
Receipts to the Bridge Fund	767 00	
Receipts to the Fire Department	2,361 52	
Receipts to the General Fund	17,212 63	
Receipts to the House of Correction	109,065 51	
Receipts to Infirmary Fund	27,721 33	
Receipts to Lighting Fund	11 25	
Receipts to Market Fund	34,103 00	
Receipts to Police Court Fund	21,775 42	
Receipts to Police Fund	5,114 13	
Receipts to Street Fund	10,943 23	
Receipts to Sanitary Fund	1,706 74	
Receipts to Viaduct Sinking Fund	871 00	
Receipts to Water Works Fund	251,432 29	
Receipts for the year 1882		2,701,619 70
Resources for the year 1882		2,941,331 41
Amount paid by City Treasurer more than resources for the year		19,437 35
Total		$2,960,768 76

TABLE No. 1—Continued.

EXPENDITURES.		
Ordinary running expenses including Water Works	$917,922 15	
General bonds paid	109,250 00	
Interest on general bonded debt	376,581 84	
Dredging bonds and interest	24,520 00	
Dredging loan of 1881	18,000 00	
Special debt	552,757 05	
Paid Sinking Fund Commissioners	106,290 16	
Taxes on City Hall property	6,051 93	
Special taxes on city property	5,493 91	
Damages and costs of court	1,252 93	
Draping markets (Garfield obsequies)	152 41	
Painting markets	2,623 00	
Scranton avenue culvert	2,102 02	
Sawyer street culvert	767 92	
Plans for new Court House	190 00	
Taxes on West Side market	447 66	$2,124,402 98
Permanent improvements for—		
Fire Department	$ 6,114 14	
Erie street bridge	3,501 69	
Heating apparatus, etc., for Armory	2,667 30	
House of Correction	6,473 66	
Lamp posts, etc.	4,353 45	
Paving Market street	1,509 87	
Oratorium, etc., Public Square	6,004 57	
Police Stations and land	13,221 98	
Office for City Sealer	359 34	
Enlarging Central Market	339 11	
Paid for repaving streets	439,985 33	
Water Works Fund	320,652 76	$ 805,183 20
Amount of special taxes refunded		31,182 58
Total		$2,960,768 76

TABLE No. 2.

ANALYSIS OF THE RESOURCES AND DISBURSEMENTS OF THE GENERAL FUNDS FOR 1882.

ARMORY FUND.		
RESOURCES.		
Cash on hand January 1, 1882	$ 327 73	
Armory rents	365 00	$ 692 73
DISBURSEMENTS.		
Ordinary expenses	677 74	677 74
Cash on hand January 1, 1883		14 99
BRIDGE FUND.		
RESOURCES.		
Cash on hand January 1, 1882	2,619 09	
General taxes	15,741 54	
City's proportion of County tax	19,674 85	
From West Side Street Ry Co., (for crossing the Viaduct)	564 00	
From Brooklyn St Ry Co., (for crossing the Viaduct.)	188 00	
Warrant not used (credited back)	15 00	38,802 48
DISBURSEMENTS.		
Ordinary expenses	34,122 15	34,122 15
Cash in hand January 1883		4,680 33
DREDGING FUND.		
RESOURCES.		
Cash on hand January 1, 1882	6,762 73	
General taxes	34,236 83	
Special taxes	39,831 94	80,831 50
DISBURSEMENTS.		
Ordinary expenses	31,974 78	
Payment of bonds issued in 1876-7-8	22,000 00	
Payment of interest on bonds issued in 1876-7-8	2,520 00	
Payment of temporary loan of 1881	18,000 00	74,494 78
Cash on hand January 1, 1883		6,336 72

TABLE No. 2 —Continued.

FIRE DEPARTMENT.		
RESOURCES.		
Cash on hand January 1, 1882	$ 1,494 68	
General taxes	153,480 01	
Cash deposits by Secretary	2,327 16	
Transfer from Market Fund	3,600 00	
Warrants not used (credited back)	34 36	$160,936 21
DISBURSEMENTS.		
Ordinary expenses	154,686 94	
Permanent improvements	6,114 14	160,801 08
Cash on hand January 1, 1883		135 13
GENERAL FUND.		
RESOURCES.		
Cash on hand January 1, 1882	26,194 59	
General taxes	78,707 69	
From N. Y. C. & St. L. Ry Co. (see ordinance No. 135)	15,000 00	
Reimbursements from special accounts	4,821 97	
From L. S. & M. S. Ry Co.	950 63	
City Hall rents	9,936 72	
Receipts from hay scales, cow-pounds, licenses, etc.	7,257 51	
Miscellaneous receipts	1,859 18	
Warrants not used (credited back)	18 40	144,746 69
DISBURSEMENTS.		
Ordinary expenses	115,443 34	
Taxes on City Hall (last half of 1881 and first half of 1882)	6,051 93	
Special taxes on city property	5,493 91	
Cost of Erie street bridge (over railroad tracks)	3,501 69	
Paid for heating apparatus in Armory	2,477 30	
Paid for chandelier in Armory	190 00	
Damages and costs of court	951 43	
Plans for Police Court building	190 00	134,299 60
Cash on hand January 1, 1883		10,447 09

TABLE No. 2—Continued.

HOUSE OF CORRECTION.		
RESOURCES.		
Cash on hand January 1, 1882	$ 4,651 51	
Cash deposits by Superintendent	108,958 05	
Warrants not used (credited back)	107 46	$113,717 02
DISBURSEMENTS.		
Ordinary expenses	86,882 28	
Permanent improvements	6,473 66	93,355 94
Cash on hand January 1, 1883		20,361 08
INTEREST FUND.		
RESOURCES.		
Cash on hand January 1, 1882	8,407 68	
General taxes	358,119 88	366,527 56
DISBURSEMENTS.		
Interest on bonded debt	376,581 84	376,581 84
Amount overdrawn—January 1, 1883		10,054 28
INFIRMARY FUND.		
RESOURCES.		
Cash on hand January 1, 1882	2,290 59	
General taxes	15,741 54	
From County (board of paupers)	18,113 34	
From City Clerk (licenses, etc.)	5,286 00	
From Infirmary Clerk	4,281 49	
Warrants not used (credited back)	40 50	45,753 46
DISBURSEMENTS.		
Ordinary expenses	39,790 93	39,790 93
Cash on hand January 1, 1883		5,962 53
LIGHTING FUND.		
RESOURCES.		
Cash on hand January 1, 1882	6,578 01	
General taxes	86,578 45	
Transfer from Market Fund	8,000 00	
Sale of old lamp-post	11 25	101,167 71
DISBURSEMENTS.		
Ordinary expenses	95,808 62	
Lamp posts, frames, etc	4,353 45	100,162 07
Cash on hand January 1, 1883		1,005 64

TABLE No. 2 —Continued.

FIRE DEPARTMENT.		
RESOURCES.		
Cash on hand January 1, 1882	$ 1,494 68	
General taxes	153,480 01	
Cash deposits by Secretary	2,327 16	
Transfer from Market Fund	3,600 00	
Warrants not used (credited back)	34 36	$160,936 21
DISBURSEMENTS.		
Ordinary expenses	154,686 94	
Permanent improvements	6,114 14	160,801 08
Cash on hand January 1, 1883		135 13
GENERAL FUND.		
RESOURCES.		
Cash on hand January 1, 1882	26,194 59	
General taxes	78,707 69	
From N. Y. C. & St. L. Ry Co. (see ordinance No. 135)	15,000 00	
Reimbursements from special accounts	4,821 97	
From L. S. & M. S. Ry Co.	950 63	
City Hall rents	9,936 72	
Receipts from hay scales, cow-pounds, licenses, etc.	7,257 51	
Miscellaneous receipts	1,859 18	
Warrants not used (credited back)	18 40	144,746 69
DISBURSEMENTS.		
Ordinary expenses	115,443 34	
Taxes on City Hall (last half of 1881 and first half of 1882)	6,051 93	
Special taxes on city property	5,493 91	
Cost of Erie street bridge (over railroad tracks)	3,501 69	
Paid for heating apparatus in Armory	2,477 30	
Paid for chandelier in Armory	190 00	
Damages and costs of court	951 43	
Plans for Police Court building	190 00	134,299 60
Cash on hand January 1, 1883		10,447 09

TABLE No. 2—Continued.

HOUSE OF CORRECTION.		
RESOURCES.		
Cash on hand January 1, 1882	$ 4,651 51	
Cash deposits by Superintendent	108,958 05	
Warrants not used (credited back)	107 46	$113,717 02
DISBURSEMENTS.		
Ordinary expenses	86,882 28	
Permanent improvements	6,473 66	93,355 94
Cash on hand January 1, 1883		20,361 08
INTEREST FUND.		
RESOURCES.		
Cash on hand January 1, 1882	8,407 68	
General taxes	358,119 88	366,527 56
DISBURSEMENTS.		
Interest on bonded debt	376,581 84	376,581 84
Amount overdrawn—January 1, 1883		10,054 28
INFIRMARY FUND.		
RESOURCES.		
Cash on hand January 1, 1882	2,290 59	
General taxes	15,741 54	
From County (board of paupers)	18,113 34	
From City Clerk (licenses, etc.)	5,286 00	
From Infirmary Clerk	4,281 49	
Warrants not used (credited back)	40 50	45,753 46
DISBURSEMENTS.		
Ordinary expenses	39,790 93	39,790 93
Cash on hand January 1, 1883		5,962 53
LIGHTING FUND.		
RESOURCES.		
Cash on hand January 1, 1882	6,578 01	
General taxes	86,578 45	
Transfer from Market Fund	8,000 00	
Sale of old lamp-post	11 25	101,167 71
DISBURSEMENTS.		
Ordinary expenses	95,808 62	
Lamp posts, frames, etc.	4,353 45	100,162 07
Cash on hand January 1, 1883		1,005 64

TABLE No. 2—Continued.

MARKET FUND.		
RESOURCES.		
Cash on hand January 1, 1882	$ 6,614 56	
Rents and Premiums collected, viz:—		
Central Market rents	16,738 00	
Central Market premiums	12,203 00	
West Side Market rents	3,002 50	
Eighteenth Ward Market rents	370 00	
Wholesale meat curbs—Central Market premiums)	1,789 50	
		$40,717 56
DISBURSEMENTS.		
Ordinary expenses	8,884 86	
Transfer to Lighting Fund	8,000 00	
Transfer to Street Fund	10,000 00	
Transfer to Sanitary Fund	3,500 00	
Transfer to Fire Department	3,600 00	
Paving Market street	1,509 87	
Enlarging office, etc.—Central Market	339 11	
Draping Market (Garfield obsequies)	152 41	
Tax on West Side Market for Repaving Pearl street from Detroit to Willey	447 66	
Office for City Sealer	359 34	
Painting Market Houses	2,623 00	
		39,416 25
Cash on hand January 1, 1883		1,301 31
POLICE COURT FUND.		
RESOURCES.		
Cash on hand January 1, 1882	8,997 44	
Fines, etc., collected by Police Clerk	17,612 72	
Fines, etc., collected at House of Correction	4,162 70	
		30,772 86
DISBURSEMENTS.		
Ordinary expenses	12,836 75	
Lots on Swiss and Dare streets for Police Station	800 00	
Willson avenue and Swiss street Station Houses (new)	12,421 98	
		26,068 73
Cash on hand January 1, 1883		$4,704 13

TABLE No. 2—Continued.

POLICE DEPARTMENT.		
RESOURCES.		
Cash on hand January 1, 1882	$ 1,382 81	
General taxes	145,609 24	
Dog tax	4,778 00	
Music permits	318 00	
Sale of old buttons	13 05	
Warrant not used (credited back)	5 08	$152,106 18
DISBURSEMENTS		
Ordinary expenses	148,039 10	148,039 10
Cash on hand January 1, 1883		4,067 08
PARK FUND.		
RESOURCES.		
Cash on hand January 1, 1882	751 45	
General taxes	15,741 54	16,492 99
DISBURSEMENTS.		
Ordinary expenses	7,959 37	
For Oratorium (Public Square)	5,778 57	
For 18 park settees	147 60	
For flagging (for guns)	78 40	13,963 94
Cash on hand January 1, 1883		2,529 05
STREET DEPARTMENT		
RESOURCES.		
Cash on hand January 1, 1882	11,782 97	
General taxes	59,030 76	
Delinquent sidewalk tax	3,360 08	
From street car licenses (from City Clerk)	835 00	
From street repairs, etc	10,084 60	
Transfer from Market Fund	10,000 00	
Warrants not used (credited back)	23 63	95,117 04
DISBURSEMENTS.		
Ordinary expenses	87,860 01	
Scranton avenue culvert	2,102 02	
Sawyer street culvert	767 92	
Delinquent sidewalks	3,494 32	
Damages and costs of court	301 50	94,522 77
Cash on hand January 1, 1883		591 27

TABLE No 2—Continued.

SANITARY FUND.		
RESOURCES.		
Cash on hand January 1, 1882	$ 4,038 85	
General taxes	11,806 16	
Transfer from Market Fund	3,500 00	
Cash deposited by the Secretary	1,706 74	$ 21,051 75
DISBURSEMENTS.		
Ordinary expenses	20,329 32	20,329 32
Cash on hand January 1, 1883		722 43
SINKING FUND.		
(FOR GENERAL BONDS.)		
RESOURCES.		
Cash on hand January 1, 1882—		
In hands of City Treasurer	791 71	
In hands of Sinking Fund Commissioners	15,128 56	
General taxes	94,449 28	
Earnings for the year—as per Sinking Fund Commissioners' Report	794 91	
Transferred under authority of Section 2710, *Revised Statutes, Ohio*—		
Surplus credit to Pelton Park fund	1,543 67	
Surplus credit to Bank street extension paving	363 04	
Surplus credit to Junction street grading	5,229 42	
Surplus credit to Seneca street paving	372 50	118,673 04
DISBURSEMENTS.		
Payment of general bonds	109,250 00	
Payment of special debt assumed by the city	559 29	109,809 29
Cash on hand January 1, 1883		8,863 75
Amount in the hands of the Sinking Fund Commissioners	8,491 25	
Amount in the hands of the City Treasurer	372 50	8,863 75

TABLE No. 2—Continued.

VIADUCT AND CANAL SINKING FUND.		
RESOURCES.		
Amount in hands of Sinking Fund Commissioners, January 1, 1882	$ 389,030 67	
Amount in hands of City Treasurer	77 75	
General taxes	3,935 38	
Earnings for the year as per Sinking Fund Commissioners' report	26,607 07	
Viaduct property rents	871 00	$420,521 87
Cash on hand January 1, 1883—viz:		
In hands of Sinking Fund Commissioners	420,110 12	
In hands of City Treasurer	411 75	420,521 87
WATER WORKS FUND.		
RESOURCES.		
Cash on hand January 1, 1882	66,038 70	
Proceeds of sale of bonds	100,062 50	
Water rents, etc	251,432 29	417,533 49
DISBURSEMENTS.		
Ordinary expenses	72,615 96	
Permanent improvements	320,652 76	393,268 72
Cash on hand January 1, 1883		24,264 77

TABLE No. 3.

SHOWING COMPARISON OF ORDINARY EXPENSES IN 1881 AND 1882.

Fund.	1881.	1882.	Increase.	Decrease.
Armory	$ 824 00	$ 677 74	.....	146 26
Bridge	34,667 33	34,122 15	.....	545 18
Dredging	56,766 57	31,974 78	.....	24,791 79
Fire Department	145,533 35	154,686 94	$ 9,153 59	.....
General	116,546 13	115,443 34	.....	1,102 79
House of Correction	79,052 10	86,882 28	7,830 18	.....
Infirmary	39,528 41	39,790 93	262 52	.....
Lighting	88,153 46	95,808 62	7,655 16	.....
Market	9,977 20	8,884 86	.....	1,092 34
Police Department	133,440 40	148,039 10	14,598 70	.....
Police Court	10,918 34	12,846 75	1,928 41	.....
Park	8,947 09	7,959 37	.....	987 72
Sanitary	16,044 44	20,329 32	4,284 88	.....
Street	71,252 26	87,860 01	16,607 75	.....
Totals	811,651 08	845,306 19	62,321 19	28,666 08
Deduct	.....	811,651 08	28,666 08	.....
Net increase	.....	33,655 11	33,655 11	.....
Water Works	67,324 25	72,615 96	5,291 71	.....
Total increase, including Water Works			$38,946 82	.....

mar d.
46 39
90 86
36 41
86 48
81 52
90 61
29 11
11 16
75 00
98 07
92 09
16 19
30 31
44 72
93 75
98 70
61 06
52 51
56 20
185 43

A
B
C
F
G
H
D
L
M
P
P
P
S
S

V

TABLE No. 6.
SHOWING SUMS PAID IN 1882 FOR REPAVING.

Street or Ave.	From	To	Remarks.	Amount Paid.
Bank	Superior st	289 ft. N. Lake st.	Final estimate	$29,646 39
Broadway	Ohio st	Liberal st.	Final estimate	49,496 86
Broadway	Independence st	900 ft. east	Final estimate	8,636 44
Broadway	900 ft. E. Indp. st.	Mead ave	Not final	286 48
Detroit	198 ft. E. Pearl	Kentucky st.	Final estimate	27,264 52
Detroit	205 ft. W. Waverly	City limits	Final estimate	19,990 61
Erie	Lake st.	Woodland ave	Not final	33,329 14
Euclid	Case ave.	Willson ave	Not final	3,544 93
Lorain	Pearl st.	Waverly ave	Not final	8,576 00
Mon'tl Park	South and	West Sides.	Final estimate	10,698 67
Pearl	Detroit st.	Willey st.	Final estimate	44,263 09
Pearl	Willey st.	Munroe st	Final estimate	3,616 19
Prospect	Perry st.	Sterling ave	Final estimate	24,530 39
Prospect	Sterling ave	Case ave	Final estimate	28,966 12
Seneca	Superior st.	St. Clair st	Final estimate	11,069 35
Superior	Water st	Monument'l Park	Final estimate	21,898 50
Superior	Erie st	N. Perry st.	Not final	2,361 94
Woodland.	Ohio st	Perry st	Not final	33,053 51
Woodland.	Perry st.	Willson ave.	Not final	85,756 20
Total Amount paid in 1882 for repaving				$439,985 38

TABLE No. 7.

SHOWING SPECIAL DEBT PAID BY THE CITY AT LARGE TO JANUARY 1, 1883.

From What Source.	When Paid.	Ordinance.	Month Paid.
Proceeds funded debt bonds	Sept. 1, 1879	No. 82, passed Aug. 11, 1879	$ 18,681 06
Proceeds funded debt bonds	" 1, 1880	" 85, " Aug. 16, 1880	276,483 26
Proceeds funded debt bonds	Dec. 1, 1880	" 139, " Nov. 15, 1880	32,046 38
Proceeds funded debt bonds	Sept. 1, 1881	" 293, " Aug. 15, 1881	87,000 00
Proceeds funded debt bonds	" 1, 1882	" 53, " Aug. 21, 1882	86,172 00
General Sinking Fund	" 1, 1881	By the Auditor	895 38
General Sinking Fund	" 1, 1882	" " "	239 29
Sinking Fund of 1862	" 1, 1880	No. 33, passed July 19, 1880	317,759 95
Sinking Fund of 1862	" 1, 1881	" 33, " July 19, 1880	140,553 35
Sinking Fund of 1862	" 1, 1881	" 285, " Aug. 8, 1880	3,939 52
Sinking Fund of 1862	" 1, 1882	" 285, " Aug. 8, 1893	3,729 08
Total special debt paid by the city at large to January 1, 1883			$967,499 27

TABLE No. 8.

SHOWING SUMS PAID FROM THE SINKING FUND OF 1862, TO JANUARY 1, 1883.

Paid in 1878—Water Works bonds	$ 25,000 00
Paid in 1879—Water Works bonds	425,000 00
Paid in 1880—Water Works bonds	75,000 00
Paid in 1880—Special debt assumed by city	317,759 95
Paid in 1881—Special debt assumed by city	144,492 87
Paid in 1881—Water Works bonds	100,000 00
Cancelled in 1881—Water Works bonds	300,000 00
Paid in 1882—Special debt assumed by city	3,729 08
Paid in 1882—City's part of cost of repaving	218,132 56
Total payments from Sinking Fund of 1862 to January 1, 1883	$1,609,114 46

TABLE No. 9.

STATEMENT OF THE CONDITION OF THE VARIOUS FUNDS OF THE CITY OF CLEVELAND, JAN. 1ST, 1883.

		Amount of Outstanding Bonds, Notes and Certificates, Jan. 1, 1883.	Balance Debit Jan. 1, 1883.
1	Atlantic street, grading, etc.	.....	2,139 82
2	Arlington street, opening	.....	409 46
3	Armory Fund	.....	.....
4	Allen street, opening	.....	4,893 10
5	Allen street, grading	.....	.....
6	Burton street, grading and damages	.....	444 72
7	Bond street, grading and paving	.....	.....
8	Bond street, opening	35,000 00	.....
9	Becker avenue, widening	.....	1,229 40
10	Broadway paving, Ohio to Independence streets	.....	6,973 94
11	Broadway paving, Independence to Union streets	.....	20,449 31
12	Broadway paving, Union to Miles streets	.....	39,530 95
13	Broadway, repaving, Ohio to Liberal street	15,064 34	.....
14	Broadway repaving, Independence st. to 900 ft. south	904 90	.....
15	Broadway repaving, 900 ft. east of Indepen. to Mead	.....	.....
16	Brownell street, paving, etc	.....	1,673 30
17	Beckwith street, improvements	.....	1,077 23
18	Bank street sewer	3,300 00	.....
19	Bridge Fund	.....	.....
20	Bank street, repaving	2,800 00	.....
21	Bank street extension, paving	.....	.....
22	Bailey street, opening and widening	.....	1,715 60
23	Broadway sewer, E. Kingsbury Run	.....	127 83
24	Broadway, paving Miles to Woodland Hills avenue	.....	104 96
25	Clark avenue, grading and cindering	.....	.....
26	Custead avenue, opening, etc	.....	67 19
27	Central Place, opening	56,500 00	.....
	Carried forward	113,509 24	80,836 81

TABLE No. 9—Continued.

Balance Credit Jan. 1, 1883.	Disbursements for the Year 1882.	Receipts For the Year 1882.	Amounts due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1883.	Cash on hand Jan. 1, 1883.	
		373 26		1,766 56		1
		409 46				2
327 73	677 74	365 00			14 99	3
		1,535 18		3,857 92		4
	221 41	274 46			53 05	5
		444 72				6
400 00	400 00					7
7,820 36	36,690 00	23,388 39		5,481 25		8
		517 37		712 03		9
				6,973 94		10
				20,449 31		11
	64,782 96	3,626 68	8,415 14	100,687 23		12
	50,256 07	53,177 26			2,921 19	13
	8,918 89	9,410 19			491 30	14
	286 48	3,812 83			3,526 35	15
		1,673 30				16
		56 91		1,020 32		17
652 00	12,001 60	10,758 97		590 63		18
2,619 09	34,122 15	36,188 39			4,680 33	19
5,882 24	29,984 62	23,995 49		106 89		20
363 04	363 04					21
		1,715 60				22
		127 83				23
				104 96		24
2,749 03	3,269 00	430 28		89 69		25
	17 96	85 15				26
26,023 57	12,845 00	12,703 07			26,381 64	27
46,837 06	254,336 92	185,064 79	8,415 14	141,340 73	38,068 85	

TABLE No. 9—Continued.

		Amount of Outstanding Bonds, notes and certificates, Jan. 1, 1882.	Balance debit Jan. 1, 1882.
	Brought forward	113,569 24	80,836 81
1	Clinton street, grading and curbing		
2	Commercial street sewer		
3	Cedar avenue, grading &c., Perry to Willson		
4	Chestnut Ridge street, McAdam	7,000 00	7,040 50
5	Commercial street improvements		
6	Case avenue, grading and paving, Euclid to Payne		
7	Cedar ave, McAdam, Willson to Fairmount	6,000 00	3,705 62
8	Case avenue, paving, Euclid to Garden		
9	Canal Fund	275,000 00	
10	Central Way Bridge		28 59
11	Central Way, masonry	2,000 00	
12	Columbus, Pearl and Walworth Run Bridge, imp't	33,400 00	
13	Detroit st., paving, Kentucky to 220 ft. W. of Waverly		1,160 77
14	Detroit st., repav. 205 ft. W. of Waverly to city limits	1,583 52	
15	Detroit st. repav. 198 ft. E. of Pearl to Kentucky	5,462 72	
16	Delinquent Sidewalks		2,046 92
17	Dredging Fund	20,000 00	
18	East Madison avenue, McAdam		
19	Erie street repaving, Lake to Woodland		
20	Eagle street, improvements		250 80
21	Euclid avenue, McAdam, Fairmount to city limits	10,100 00	
22	Euclid avenue, widening		80 71
23	Euclid avenue, repaving, Perry to Willson		
24	Euclid avenue, paving, west of Erie street	20,000 00	5,804 73
25	Euclid avenue, paving, Willson to Fairmount	19,000 00	12,025 51
26	Euclid avenue, repaving, Willson to Fairmount		
27	East Prospect street, opening		5,925 89
	Carried forward	513,115 48	118,901 85

TABLE No. 9—Continued.

Balance Credit Jan. 1, 1882	Disbursements for the Year 1882.	Receipts for the Year 1882.	Amounts Due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1883.	Cash on hand Jan. 1, 1883.	
46,837 06	254,336 92	185,064 79	8,415 14	141,340 78	38,068 85	
.....	1,189 66	1,182 65	.....	7 01	.....	1
42 89	2,140 00	2,137 86	.....	.....	40 75	2
660 36	.....	.....	.....	.....	660 36	3
.....	10,244 08	6,255 59	.....	11,028 99	.....	4
1,096 44	500 00	.....	.....	.....	596 44	5
325 23	362 58	37 35	.....	.....	.....	6
.....	3,540 00	.....	.....	7,245 62	.....	7
4,577 46	6,843 61	3,694 90	.....	.....	1,428 75	8
975 64	.....	.....	.....	.....	975 64	9
.....	343 37	366 96	.....	.....	.....	10
783 33	3,300 00	3,347 61	.....	.....	830 94	11
.....	.....	.....	.....	.....	.....	12
.....	.....	1,160 77	.....	.....	.....	13
3,199 45	13,417 37	10,639 11	.....	.....	421 19	14
206 96	27,679 02	27,314 93	.....	157 13	.....	15
.....	.....	2,046 92	.....	.....	.....	16
6,762 73	74,494 78	74,068 77	.....	.....	6,336 72	17
675 18	1,191 61	1,148 16	.....	168 27	.....	18
141 65	34,529 72	29,463 84	.....	4,924 23	.....	19
.....	.....	250 80	.....	.....	.....	20
301 36	4,957 00	5,666 83	.....	.....	1,011 19	21
.....	.....	80 71	.....	.....	.....	22
.....	3,544 93	22,662 19	.....	.....	19,117 26	23
.....	5,390 00	.....	.....	11,194 73	.....	24
.....	10,680 00	8 83	.....	22,696 68	.....	25
.....	.....	19,838 93	.....	.....	19,838 93	26
.....	.....	5,925 89	.....	.....	.....	27
66,585 74	459,484 65	402,364 39	8,415 14	198,763 39	89,327 02	

TABLE No. 9—Continued.

		Amount of Outstanding bonds, notes & certificates January 1st, 1883.	Balance Debit January 1st, 1883.
	Brought forward	$ 513,115 48	$ 118,901 8 5
1	Fire Department		
2	Forest street grading and damages		
3	Funded debt bond account	1,931,000 00	
4	Fairmount street McAdamizing	2,600 00	595 62
5	Fairfield street		
6	General Fund		
7	Giddings avenue opening.		1,494 81
8	Garden st. paving Brownell to Willson		
9	Grand avenue grading, etc		2,089 82
10	Grand avenue opening, etc		1,614 29
11	Garden street sewer		
12	Hough avenue, grading and damages		3,223 52
13	Herman street, grading and damages		
14	House of Correction	184,000 00	
15	Hamilton street, grading, etc		59 32
16	Hemlock street, damages		
17	Hodge avenue, damages		274 03
18	Hodge street, damages		572 18
19	Herald street, grading, etc	16,000 00	327 84
20	Hodge avenue.		
21	Hodge street, grading (now Waverly)		819 18
22	Infirmary Fund	30,000 00	
23	Interest Fund		
24	Iona street, grading		
25	Isabella street, grading		
26	Jennings avenue, grading and paving		4,982 88
27	Junction street, grading, etc		
	Carried forward	2,676,715 48	134,355 34

TABLE No. 9—Continued.

Balance Credit Jan. 1, 1882.	Disbursements for the year 1882.	Receipts for the year 1882.	Amounts due from Street R. R. Companies.	Amounts overdrawn Jan 1, 1883.	Cash on hand Jan. 1, 1883.	
$ 66,585 74	$ 459,484 65	$ 402,364 39	$ 8,415 14	$198,763 39	$ 89,327 02	
1,494 68	160,801 08	159,441 53	.....	.....	135 18	1
690 43	.....	.....	.....	.....	690 43	2
.....	.....	.....	.....	.....	.....	3
.....	1,216 00	.....	.....	1,811 62	.....	4
450 00	450 00	.....	.....	.....	.....	5
26,194 59	134,299 60	118,552 10	.....	.....	10,447 09	6
.....	.....	1,494 81	.....	.....	.....	7
4,436 32	3,642 37	.....	.....	.....	793 95	8
.....	6,800 00	727 12	.....	7,612 70	.....	9
.....	72 36	1,686 65	.....	.....	.....	10
150 20	150 20	.....	.....	.....	.....	11
.....	1,874 01	3,624 09	.....	1,473 44	.....	12
1,177 37	1,060 00	1,049 78	.....	.....	1,167 15	13
4,651 51	93,355 94	109,065 51	.....	.....	20,361 08	14
.....	848 00	838 74	.....	68 58	.....	15
395 73	395 73	.....	.....	.....	.....	16
.....	.....	274 03	.....	.....	.....	17
.....	.....	572 18	.....	.....	.....	18
.....	3,950 00	.....	.....	4,277 84	.....	19
621 65	1,165 39	543 74	.....	.....	.....	20
.....	.....	319 18	.....	.....	.....	21
2,290 59	39,790 93	43,462 87	.....	.....	5,962 53	22
8,407 63	376,581 84	358,119 88	.....	10,054 28	.....	23
52 27	.....	23 10	.....	.....	75 37	24
95 90	.....	30 77	.....	.....	126 67	25
.....	.....	1,025 91	186 29	3,906 97	.....	26
5,227 83	5,229 42	1 59	.....	.....	.....	27
122,922 49	1,290,667 52	1,203,217 97	8,601 43	227,968 82	129,086 42	

TABLE No. 9—Continued.

		Amount of outstanding Bonds, Notes and Certificates, Jan'y 1, 1883.	Balance Debit, Jan. 1, 1883.
	Brought forward	2,676,715 48	129,422 46
1	Krupp alley, grading and paving		
2	Kinsman street, paving	$ 20,000 00	
3	Lincoln avenue, grading and culverts		$ 347 25
4	Lorain street, grading damages		
5	Lake street, paving, etc		668 49
6	Lorain street, repaving, Pearl to Waverly	7,000 00	
7	Lorain street, paving, Waverly to Chestnut Ridge st		
8	Lighting Fund		
9	Market Fund		
10	Mulberry street, improvements		1,223 35
11	March street, opening		3,689 00
12	Miles street, damages		338 54
13	Marquette street, damages	2,000 00	47 76
14	McMahon, John E		
15	Monument Square, repaving (south side)	1,509 90	
16	North Woodland avenue, opening		
17	Ontario street, paving, etc		
18	Old River street, improvements		
19	Orange street, opening and extending		5,106 22
20	Police Court Fund		
21	Police Department		
22	Pearl street, repaving, Detroit to Willey	4,903 58	
23	Pearl street, paving (old account)		4,307 30
24	Perry street, paving		
25	Payne avenue, grading, Superior to Huntington		
26	Park Fund	315,000 00	
27	Payne avenue, opening	181 600 00	
	Carried forward	3,208,728 96	150,182 25

TABLE No. 9—Continued.

Balance Credit Jan. 1, 1883.	Disbursements for the year 1882.	Receipts for the year 1882.	Amounts due from Street R. R. Companies.	Amounts overdrawn Jan. 1, 1883.	Cash on hand January 1, 1883.	
122,922 49	1,290,667 52	1,203,217 97	8,601 43	227,968 82	129,086 42	
.....	703 35	798 63	.....	.....	95 28	1
1,688 92	41,843 05	6,624 52	.....	33,529 61	.....	2
.....	.....	347 25	.....	.....	.....	3
118 61	552 84	463 73	.....	.....	29 50	4
.....	.....	668 49	.....	.....	.....	5
.....	8,576 00	11,231 28	.....	.....	2,655 28	6
20 07	20 07	.....	.....	.....	.....	7
6,578 01	100,162 07	94,589 70	.....	.....	1,005 64	8
6,614 56	39,416 25	34,103 00	.....	.....	1,301 31	9
.....	.....	1,223 35	.....	.....	.....	10
.....	.....	3,689 00	.....	.....	.....	11
.....	.....	338 54	.....	.....	.....	12
.....	4,340 00	4,200 36	.....	187 40	.....	13
4,977 48	.....	.....	.....	.....	4,977 48	14
993 58	12,605 78	13,631 92	.....	.....	2,019 72	15
642 15	.....	.....	.....	.....	642 15	16
300 00	300 00	.....	.....	.....	.....	17
1,030 02	1,030 02	.....	.....	.....	.....	18
.....	51 48	1,069 21	.....	4,068 49	.....	19
8,997 44	26,068 73	21,775 42	.....	.....	4,704 13	20
1,382 81	148,039 10	150,723 37	.....	.....	4,067 08	21
7,753 68	45,090 78	39,485 41	.....	.....	2,148 31	22
.....	.....	3,822 31	$484 96	484 96	.....	23
1,825 74	1,926 00	1,417 80	.....	.....	1,317 54	24
.....	4,019 70	2,586 64	.....	1,433 06	.....	25
751 45	13,963 94	15,741 54	.....	.....	2,529 05	26
145,435 08	108,667 97	33,691 06	.....	.....	70,458 17	27
312,082 09	1,848,044 65	1,645,460 53	9,086 39	267,672 34	227,037 06	

TABLE No. 9—Continued.

		Amount of Outstanding Bonds, notes and certificates, Jan. 1, 1883.	Balance debit Jan. 1, 1882.
	Brought forward	3,208,728 96	150,183 25
1	Prospect street, repaving, Erie to Perry		
2	Prospect street, paving, Perry to Willson		
3	Pearl street, repaving, Willey to Monroe	1,992 48	
4	Poplar street, grading and draining		
5	Professor street, grading		
6	Pelton Park Fund		
7	Prospect street, repaving, Perry to Sterling		
8	Prospect street, repaving, Sterling to Case		
9	Repaving Fund		
10	Russell avenue, opening		
11	Sibley street, curbing, Case to Kennard		
12	Sibley street, grading and curbing, Hayward to Case		
13	Street Department		
14	Sanitary Fund		
15	Sinking Fund, (for general bonds)		
16	Seneca street, repaving, Superior to St. Clair	2,851 86	
17	Street intersections		
18	Superior street, repaving, Mon. park to Erie		
19	Steel & McMahon		
20	Special Road Fund	2,283 34	
21	Seneca street, opening, grading and grading damages	15,000 00	
22	Seneca street, paving		1,384 86
23	Superior street, grading, Perry to Willson		
24	Superior street, repaving, Water to Mon. Park		
25	Superior street, widening		3,264 81
26	St. Clair street, paving, Erie to Water	6,000 00	
27	St. Clair street, widening		5,376 93
	Carried forward	3,236,856 64	160,109 85

TABLE No. 9—Continued.

Balance Credit Jan. 1, 1882.	Disbursements for the Year 1882.	Receipts for the Year 1882.	Amounts Due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1883.	Cash on hand Jan. 1, 1883.	
312,062 09	1,848,044 65	1,645,460 53	9,086 39	267,672 34	227,037 06	
2,610 59	5,457 00	4,158 61	.....	.....	1,312 20	1
2,285 32	.....	.....	.....	.....	2,285 32	2
.....	3,616 19	4,514 20	.....	.....	898 01	3
.....	.....	348 55	.....	.....	348 55	4
.....	21 78	21 78	.....	.....	.....	5
2,468 81	18,210 35	15,741 54	.....	.....	.....	6
.....	24,539 69	23,572 88	.....	966 81	.....	7
.....	28,966 12	23,808 88	.....	5,157 24	.....	8
.....	.....	19,676 93	.....	.....	19,676 93	9
85 97	3,169 06	969 84	.....	2,113 25	.....	10
.....	322 51	436 22	.....	.....	113 71	11
.....	1,078 05	1,252 80	.....	.....	174 75	12
11,782 97	94,525 77	83,334 07	.....	.....	591 27	13
4,038 85	20,329 32	17,012 90	.....	.....	722 43	14
15,920 27	109,809 29	102,752 77	.....	.....	8,863 75	15
1,199 47	11,084 51	10,620 65	.....	.....	735 61	16
6,103 84	8,810 16	2,312 35	.....	393 97	.....	17
1,179 14	1,317 05	7,204 94	.....	.....	7,067 03	18
2,373 20	.....	.....	.....	.....	2,373 20	19
2,610 76	5 55	70	.....	.....	2,605 91	20
7,045 09	9,443 32	5,208 99	.....	.....	2,810 76	21
.....	.....	1,384 86	.....	.....	.....	22
770 93	704 15	10,722 93	.....	.....	10,789 71	23
.....	22,410 08	1,9851 82	.....	3,058 26	.....	24
.....	4,200 00	760 00	.....	6,704 81	.....	25
2,492 84	6,255 25	5,933 52	144 87	.....	2,171 11	26
.....	8,400 00	6,050 89	.....	7,726 04	.....	27
475,000 14	2,230,719 85	2,012,614 15	9,231 26	293,792 72	290,577 31	

TABLE No. 9—Continued.

		Amount of Outstanding bonds, notes & certificates January 1st, 1883.	Balance Debit January 1st, 1882.
	Brought forward	3,236,856 64	160,109 85
1	Summit street, grading and curbing		
2	Summit street, opening	18,300 00	8,170 45
3	Seyler alley, damages		
4	School Bond account	150,000 00	
5	St. Paul street, grading and damages		
6	Slater street, opening	2,400 00	
7	Superior street, repaving, Erie to N. Perry		
8	Sewer Districts 1 and 2 E. Cleveland	13,500 00	
9	Sewer District 3, " "		
10	Superior street, sewer, E. Doan Brook	1,000 00	2,020 96
11	Superior street, sewer, W. Doan Brook		841 20
12	Sewer District No. 1	16,300 00	1,720 28
13	" " " 2	24,200 00	
14	" " " 3	2,000 00	882 20
15	" " " 4		
16	" " " 5	20,700 00	
17	" " " 6		
18	" " " 7	184,300 00	523 63
19	" " " 8		
20	" " " 9		
21	" " " 10		
22	" " " 11		
23	" " " 12	15,600 00	115 61
24	St. Clair street, sewer	11,600 00	4,906 49
25	Tod street, grading, etc		
26	University street, opening		
27	Vine street, sewer		
	Carried forward	3,696,756 64	173,790 62

TABLE No. 9.—Continued.

Balance Credit Jan. 1, 1882.	Disbursements for the year 1882.	Receipts for the year 1882	Amounts due from Street R. R. Companies.	Amounts Overdrawn January 1st. 1882.	Amounts of of Cash on hand Jan. 1, 1882.	
475,000 14	2,230,719 85	2,012,614 15	9,231 26	293,792 72	290,577 81	
.....	2,158 17	2,205 91	.....	.....	47 74	1
.....	5,696 00	3,081 37	.....	5,785 08	.....	2
633 79	.....	.....	.....	.....	633 79	3
.....	.....	.....	.....	.....	.....	4
5 08	954 00	942 72	.....	6 20	.....	5
1,448 49	2,629 00	3,251 51	.....	.....	2,071 00	6
.....	2,877 18	7,714 18	.....	.....	4,837 00	7
2,223 75	7,170 00	7,170 00	.....	.....	2,223 75	8
205 22	.....	.....	.....	.....	205 22	9
.....	906 00	1,082 16	.....	1,844 80	.....	10
.....	.....	841 20	.....	.....	.....	11
.....	7,889 52	8,531 19	.....	1,078 56	.....	12
556 81	8,148 43	8,956 60	.....	.....	1,364 48	13
.....	8,112 68	8,783 85	.....	.....	288 47	14
1,567 19	886 20	132 00	.....	.....	812 99	15
1,088 43	7,902 27	8,152 65	.....	.....	1,338 81	16
768 05	.....	.....	.....	.....	768 05	17
.....	42,565 71	42,248 47	.....	840 87	.....	18
671 20	6 30	.....	.....	.....	664 90	19
.....	410 28	.....	.....	410 28	.....	20
208 52	.....	5 30	.....	.....	213 82	21
151 00	.....	.....	.....	.....	151 00	22
.....	7,543 28	7,889 99	.....	.....	231 10	23
.....	3,882 00	6 29	.....	8,782 20	.....	24
703 51	.....	.....	.....	.....	703 51	25
258 18	258 18	.....	.....	.....	.....	26
.....	1,530 71	1,706 63	.....	.....	175 92	57
385,488 86	2,312,245 76	2,125,315 67	9,231 26	312,540 71	307,308 86	

TABLE No. 9—Continued.

		Amount of Outstanding Bonds, Notes and Certificates, Jan 1, 1882.	Balance Debit Jan. 1, 1882.
	Brought forward	369,676 64	173,790 62
1	Viaduct and Canal Sinking Fund		
2	Viaduct Fund	2,138,000 00	
3	Vega avenue, grading and cindering		
4	Willson avenue, opening, N. of St. Clair	8,000 00	1,841 92
5	Weddell street, improvements		
6	West River street, improvements		1,750 57
7	Wade Park avenue, grading, &c		6,981 92
8	Wade Park avenue, opening, &c		12,865 37
9	Water Works Fund	900,000 00	
10	Willson avenue, damages, Julia to Sawtell		
11	Willson avenue grading, Julia to Maurice		
12	Warner Road, grading, masonry and bridge		
13	Willson avenue, grading, Euclid to Woodland		
14	Willson avenue, grading, &c., Maurice to Sawtell		2,778 09
15	Woodland Hills avenue, grading, &c		
16	Woodland Hills avenue, damages		
17	Woodland avenue, McAdam, Willson to E. Madison		5,473 55
18	Woodland ave, grad., E. Madison to Woodland Hills		
19	Woodland avenue, repaving, Ohio to Perry		
20	Woodland avenue, repaving, Perry to Willson	16,000 00	
21	Willson ave. grad., Broadway to N. Y. P. & O. R R.		
22	Willson avenue, grading, Euclid to Lake Erie		12,375 00
23	Willson avenue, damages, Sawtell to Broadway		6,162 05
24	*Total amount of overdrawn accounts*		
25	Sinking Fund Com'ers' credit to Gen'l Sinking Fund		
26	do do Viaduct Sinking Fund		
27	S. T. Everett, City Treas., cash paid more than rec'd		
	Total	6,758,756 64	224,019 00

TABLE No. 9—Continued.

Balance Credit Jan. 1, 1882.	Disbursements for the Year 1882.	Receipts For the Year 1882.	Amounts due from Street R. R. Companies.	Amounts Overdrawn Jan. 1, 1883.	Cash on hand Jan. 1, 1883.	
385,488 86	2,342,245 76	2,125,315 67	9,231 26	312,540 71	307,308 86	
389,108 42	.....	31,413 45	.....	.....	420,521 87	1
927 76	.....	.....	.....	.....	927 76	2
407 34	549 66	58 38	.....	83 94	.....	3
.....	4,680 00	1,008 39	.....	5,513 53	.....	4
731 96	731 96	.....	.....	.....	.....	5
.....	.....	1,750 57	.....	.....	.....	6
.....	.....	51 45	.....	6,930 47	.....	7
.....	2,337 92	3,049 82	.....	11,253 47	.....	8
66,038 70	393,268 72	351,494 79	.....	.....	24,264 77	9
2,011 66	.....	.....	.....	.....	2,011 66	10
9,025 16	9,504 37	8,549 16	.....	.....	8,069 95	11
179 14	3,277 00	1,578 38	.....	1,519 48	.....	12
670 34	.....	.....	.....	.....	670 34	13
.....	.....	3,950 82	.....	.....	1,172 73	14
324 81	.....	235 23	.....	.....	560 04	15
432 39	.....	135 06	.....	.....	567 45	16
.....	3,650 00	9,123 55	.....	.....	.....	17
3,953 63	3,951 26	705 72	.....	.....	708 09	18
8,589 86	33,799 50	24,387 69	.....	821 95	.....	19
.....	87,408 30	91,102 80	.....	.....	3,694 50	20
.....	2,377 62	2,520 54	.....	.....	142 92	21
.....	5,150 63	4,525 63	.....	13,000 00	.....	22
.....	6,360 00	2,728 68	.....	9,793 37	.....	23
.....	.....	.....	.....	361,456 92	.....	24
.....	.....	.....	.....	8,491 25	.....	25
.....	.....	.....	.....	420,110 12	.....	26
.....	.....	.....	.....	.....	19,437 35	27
867 890 03	2,899,292 70	2,664,585 78	9,231 26	790,058 29	790,058 29	

RECAPITULATION No. 1: TABLE No. 9.

Total credit balances, January 1, 1882	$ 867,890 03	
Total receipts for the year 1882	2,664,585 78	
		$3,532,475 81
Total debit balances, January 1, 1882	$ 224,019 09	
Total disbursements for the year 1882	2,899,292 70	
		3,123,311 79
		$409,164 02

RECAPITULATION No. 1. TABLE No. 9.

Cash in hands of Sinking Fund Commissioners.....		
General Sinking Fund.....	$ 8,491 25	
Viaduct Sinking Fund.....	420,110 12	
		$ 428,601 37
Account with the City Treasurer,		
Amount paid out more than receipts for 1882....		19,437 35
		$409,164 02

RECAPITULATION No. 2. Table No. 9.

SHOWING THE AMOUNT OF THE GENERAL AND SPECIAL INDEBTEDNESS OF THE CITY OF CLEVELAND, JANUARY 1, 1883.

Amount of General Bonded Debt		$5,948,000 00
Amount of Special Bonded Debt		
Street Improvements	$ 108,700 00	
Sewers	289,200 00	
Street Damages	352,200 00	750,100 00
Total Bonded Indebtedness		6,698,100 00
Certified Estimates—unpaid	2,283 34	
Bank Street Sewer, note, (temporary loan)	3,300 00	
Repaving notes, " "	60,073 30	
Overdrafts in Special Accounts	361,456 92	
		427,113 56
Total Debt		$7,120,213 56

HIO, OUTS

1880	18
	$200
$178,000	
$178,000	$200

AMO

Chesta

Centra

Cedar

Euclid

"

"

Euclid

"

Euclid

Fairma

Herald

Kinsma

St. Cla

A

Bond stre

Central Pl

Central P

Columbus,
improv

Marquette

Payne ave

Payne ave

Slater ave

Summit st

Summit st

Seneca str

Seneca str

Willson
street.

Willson
street.

[illegible] ABLE No. 9.

[illegible] ND SPECIAL INDEBT-

[illegible] ANUARY 1, 1883.

[illegible]		$5,943,000 00
[illegible]	$ 108,700 00	
[illegible]	289,200 00	
[illegible]	352,200 00	750,100 00
[illegible]		6,693,100 00
[illegible]	2,283 34	
[illegible]	3,300 00	
[illegible]	60,073 30	
[illegible]	361,456 92	
		427,113 56
[illegible]		$7,120,213 56

TABLE No. 16.

TEMPORARY LOANS UNPAID JANUARY 1, 1883.

FOR WHAT PURPOSE USED.	Rate per cent.	Due April 1, 1883.	Due Sept. 1, 1883.	TOTAL.
Bank Street, sewer, dated March 11, 1882	5	.....	$3,300 00	$ 3,300 00
Broadway, repaving, From Ohio to Liberal dated July 1, 1882	6	$7,532 17	7,532 17	15,064 34
Broadway, repaving, From Independence to 900 feet South, dated July 1, 1882	6	452 45	452 45	904 90
Detroit Street, repaving, From 198 feet east of Pearl to Kentucky, dated July 1, 1882	6	2,731 36	2,731 36	5,462 72
Detroit Street, repaving From 205 feet west of Waverly to City Limits, dated July 1, 1882	6	791 96	791 76	1,583 52
Monumental Park Repaving South and West Sides, dated July 1, 1882	6	754 95	754 95	1,509 90
Pearl Street, repaving, From Detroit to Willey, dated July 1, 1882	6	2,451 79	2,451 79	4,903 58
Pearl Street, repaving, From Willey to Monroe, dated July 1, 1882	6	996 24	996 24	1,992 48
Seneca Street, repaving, From Superior to St. Clair dated July 1, 1882	6	1,425 93	1,425 93	2,851 86
Bank Street, repaving, From Superior street to 289 feet N. of Lake street Dated Oct. 2, 1882	6	2,800 00	.....	2,800 00
Woodland Avenue, repaving, From Perry to Willson, dated Oct. 16, '82	6	8,000 00	8,000 00	16,000 00
Lorain Street, repaving, From Pearl to Waverly dated Oct. 16, 1882	6	.....	7,000 00	7,000 00
Total	....	$27,936 65	$35,436 65	$63,373 30

TABLE No. 17.

STATEMENT OF CERTIFIED ESTIMATES UNPAID DECEMBER 31, 1883.

Date of Issue.	No.	To whom Issued.	No. of Estimate	For what Purpose.	Name of Street	From.	To.	When Interest Commenced.	Amount.
May 21, 1876	367	Henry Zutafern	Final	Sprinkling	Clinton	Hanover	Kentucky	May 6, 1876	$ 83 25
November 4, 1875	258	Henry Starke	"	"	Linden	Woodland	Scoville	October 15, 1875	175 72
November 4, 1875	258	" "	"	"	Laurel	"	Garden	October 15, 1875	337 06
November 4, 1875	257	" "	"	"	Maple	"	Scoville	October 15, 1875	179 40
November 12, 1875	275	Henry Zutafern	"	"	Pearl	Detroit	Monroe	November 1, 1875	405 64
November 4, 1875	256	Henry Starke	"	"	Sterling	Woodland	Sibley	October 15, 1875	177 89
November 4, 1875	264	" "	"	"	Scoville	Willson	Brownell	October 15, 1875	924 38
Total									$2,283 34

TABLE No. 18.

SHOWING COMPARISON OF THE CITY DEBT JANUARY 1st, 1882 AND 1883.

January 1st, 1882:		
General bonds outstanding	$5,888,250 00	
Special " "	1,176,200 00	
Notes for Pelton Park outstanding	16,666 68	
Note for Dredging Loan "	18,000 00	
Certified estimates "	2,283 34	
Overdrafts in special accounts	242,019 09	
Total City debt January 1, 1882		$7,343,419 11
January 1st, 1883:		
General Bonds outstanding	$5,943,000 00	
Special " "	750,100 00	
Certified estimates outstanding	2,283 34	
Notes for repaving loans outstanding	60,073 80	
Note for Bank street sewer loan outstanding	3,300 00	
Overdrafts in special accounts	361,456 92	
Total debt January 1st, 1883		7,120,213 56
Decrease of total debt during 1882		$223,205 55

NDEBTI

SEP

Bonds.
.....
$51,000 0
.. .
20,000 0
.....
.....
0 .....
.....
.....
5,000 0
8,600 0
.....
1,300 0
16,000 0
7,000 0
1,000 0
4,600 0
7,900 0
222,800 0
35,436 0
.....
$379,736
0 .....
.....
.....
.....

INDEBTEDNESS Y

	SEPTEMBER.	
	Bonds.	Interest.
	.....	$ 7,825 00
0	$51,000 00	25,210 00
	.....	.....
	20,000 00	1,200 00
	.....	.....
	.....	3,990 00
0	.....	3,000 00
	.....	.....
	.....	.....
	5,000 00	570 50
	8,600 00	1,099 00
	.....	140 00
	1,300 00	724 50
	16,000 00	6,825 00
	7,000 00	546 00
	1,000 00	50 00
	4,600 00	672 00
	7,000 00	810 00
	222,800 00	29,487 00
	35,436 65	582 00
	.....	.....
	$379,736 75	.....
00	.....	$82,731 00
	.....	.....
	.....	.....

TABLE No. 21.

CITY LEVY IN THE TAX OF 1882, UPON A DUPLICATE VALUATION OF $82,684,212 00, TO MEET THE EXPENSES OF 1883.

FUNDS.	Mills per Dollar	Amount Levied.
Bridge	$\frac{1}{20}$	$ 20,671 05
Dredging	$\frac{6}{20}$	24,805 26
Fire Department	$1\frac{18}{20}$	161,284 20
General	$1\frac{7}{20}$	111,623 68
House of Correction	$\frac{4}{20}$	16,536 84
Infirmary	$\frac{7}{20}$	28,939 47
Lighting	$1\frac{4}{20}$	99,221 05
Park	$\frac{7}{20}$	12,402 63
Police Department	$1\frac{17}{20}$	152,965 78
Sanitary	$\frac{1}{20}$	20,671 05
Sinking Fund (for General Bonds)	$\frac{8}{20}$	33,073 68
Viaduct Sinking Fund	$\frac{1}{20}$	20,671 05
Street Department	$\frac{18}{20}$	74,415 78
Street Intersections	$\frac{1}{20}$	8,268 42
Interest	$4\frac{13}{20}$	380,347 36
Cemetery	$\frac{1}{20}$	4,134 21
Total	$14\frac{3}{20}$	$1,169,981 51

TABLE No. 22.

SHOWING COMPARISON OF THE MUNICIPAL LEVY OF 1881 AND 1882.

City levy of 1882, being $14\frac{3}{20}$ mills per dollar on a valuation of $82,684,212 00	$1,169,981 51
City levy of 1881, being $14\frac{1}{10}$ mills per dollar on a valuation of $79,586,156 00	1,118,186 49
Levy of 1882, greater than that of 1881 by	$51,794 02

TABLE No. 23.

STATEMENT OF AMOUNTS LEVIED IN THE TAX OF 1882, ON MAIN SEWER DISTRICTS, TO PAY THE PRINCIPAL AND INTEREST MATURING IN 1883 UPON BONDS ISSUED FOR COST OF MAIN SEWERS THEREIN.

SEWER DISTRICT NO. 1—MAIN SEWER IN CASE AVENUE.		
Bonds maturing in 1883	$5,000 00	
Interest on $16,000 one year, 7 per cent	1,141 00	
Cost of collection 1 2-10 per cent	74 59	
Amount levied		$6,215 59
SEWER DISTRICT NO. 2—MAIN SEWER IN PERRY STREET AND STERLING AVENUE.		
Bonds maturing in 1883	$8,600 00	
Interest on $24,200 for one year at 7 per cent	1,694 90	
Cost of collection, 1 2-10 per cent	125 02	
Amount levied		$10,419 02
SEWER DISTRICT NO. 3—MAIN SEWERS IN IN SENECA, ONTARIO, ERIE AND MUIRSON STREETS.		
The City's proportion of the cost of Bank street sewer	$2,577 00	
Interest on the same for one year at 6 per cent	231 93	
Interest on $2,000 sewer bonds for one year at 7 per cent	140 00	
Amount levied		$2,948 93
SEWER DISTRICT NO. 4—MAIN SEWERS IN BRIDGE AND DETROIT STREETS.		
No tax.		

TABLE No. 23—Continued.

SEWER DISTRICT NO. 5—MAIN SEWERS IN OAKLAND AND SWISS STREETS.		
Bonds maturing in 1883	$1,300 00	
Interest on $20,700 for one year at 7 per cent	1,449 00	
Cost of collection, $1\frac{3}{10}$ per cent	33 39	
Amount levied		$2,782 39
SEWER DISTRICT NO 6—MAIN SEWER IN BROADWAY.		
No tax.		
SEWER DISTRICT NO. 7—MAIN SEWER IN WILLSON AVENUE.		
Bonds maturing in 1883	$16,000 00	
Interest on $184,300 for one year at 7 per cent	12 901 00	
Cost of collection, 1 2-10 per cent	351 02	
Amount levied		$29,252 02
SEWER DISTRICT NO. 8—MAIN SEWER IN MULBERRY STREET.		
No tax.		
SEWER DISTRICT NO. 9—MAIN SEWERS IN JAMES AND FRONT STREETS.		
The District's proportion of the cost of Bank street sewer	$859 00	
Interest on the same, for one year at 6 per cent	77 31	
Amount levied		$936 31
SEWER DISTRICT NO. 10—MAIN SEWER IN CUYAHOGA AND UNIVERSITY STREET.		
No tax.		

TABLE No. 23—Continued.

SEWER DISTRICT NO. 11—MAIN SEWER IN JENNINGS AVENUE.		
No tax.		
SEWER DISTRICT NO. 12—MAIN SEWER IN PEARL STREET.		
Bonds maturing in 1883	$7,000 00	
Interest on $15,600 for one year at 7 per cent	1,092 00	
Cost of collection, 1 2-10 per cent	98 28	
Amount levied		$8,190 28

TABLE No. 24.

A LIST OF SPECIAL ASSESSMENTS LEVIED IN THE TAX OF 1882 IN ANTICIPATION OF THE IMPROVEMENT. LIST No. 1.

NAME OF STREET.	NATURE OF IMPROVEMENT.	FROM STREET OR AVENUE.	TO STREET OR AVENUE.	No. of Installments.	Installment of 1882.	Amount Levied.
Academy	Sewer	Lake	St Clair	1	1st	$ 658 92
Broadway	Repaving	Ohio	Liberal	2	2d	10,512 15
Broadway	Repaving	900 feet east of Independence	Mead	1	1st	19,396 12
Bridge	Sewer	Randall	Fulton	1	1st	2,829 77
Church	Grading and Curbing	Pearl	State	1	1st	1,732 64
Chapel	Sewer	Scovill	Woodland	1	1st	2,164 01
Charles	Sewer	Scovill	W. line of original lot No. 281	1	1st	2,490 23
Cuyahoga River	Dredging	Government Piers	Willey	1	1st	16,718 52
Columbus	Sewer	Lorain	Willey	1	1st	3,808 67
Columbus	Sewer	Pearl	Pearl	1	8th	1,380 83
Detroit	Repaving	198 feet east of Pearl	Pearl	2	2d	438 86
Detroit	Repaving	Pearl	Kentucky	2	2d	4,948 54
Erie	Repaving	Lake	Euclid	2	2d	5,096 98
Erie	Repaving	S. line Huron	Ohio	2	2d	1,748 48

TABLE No. 24, LIST No. 1—Continued.

Name of Street.	Nature of Improvement.	From Street or Avenue.	To Street or Avenue.	No. of Instalments.	Instalment of 1883.	Amount Levied.
Erie	Repaving	Ohio	Woodland	2	2d	1,484 26
East Prospect	Sewer	Willson	900 feet easterly	1	1st	2,861 16
Euclid	Repaving	W. line of Perry	Case	1	1st	43,407 83
Euclid	Repaving	Case	Willson	1	1st	12,323 10
Euclid	Repaving	Willson	Fairmount	1	1st	71,633 27
Fairfield	Sewer	Jennings	Pelton	1	1st	550 40
Franklin Circle	Grading and Curbing	Franklin, N. E. S.	Fulton	1	1st	510 88
Greenwood	Sewer	Cedar	Garden	1	1st	747 80
Greenwood	Sewer	Garden	Scovill	1	1st	1,797 25
Hartford	Grading, draining, &c.	Clark	Storer	1	1st	399 68
Henry	Sewer	Scovill	Woodland	1	1st	2,164 33
Howe	Grading and Paving	Ontario	406 feet westerly	1	1st	2,090 61
Jennings	Sewer	Willey	Clark	1	1st	4,318 47
Laurel	Sewer	Woodland	Scovill	1	1st	2,203 49
Lorain	Repaving	Pearl	Fulton	1	1st	4,925 30
Lorain	Repaving	Fulton	Waverly	1	1st	9,117 12

TABLE No 24, LIST No. 1—Continued.

Name of Street.	Nature of Improvement.	From Street or Avenue.	To Street or Avenue.	No. of Instalments.	Instalment of 1892.	Amount Levied.
Maple	Sewer	Woodland	Scovill	1	1st	2,463 18
Maple	Sewer	Garden	Scovill	1	1st	2,289 05
Old River Bed	Dredging	Weddell	Cuyahoga River	1	1st	3,791 99
Parkman	Sewer	Erie	Brownell	1	1st	3,137 40
Pearl	Repaving	N. line of Willey	S. line of Monroe	1	1st	1,990 00
Prospect	Repaving	Sterling	Case	1	1st	14.862 91
Prospect	Repaving	Perry	Sterling	1	1st	11,966 44
Professor	Grading	Pelton	Starkweather	1	1st	1,332 45
Seneca	Repaving	Superior	St. Clair	2	2d	2,423 19
Spruce	Sewer	Mulberry	Pearl	1	1st	582 00
Superior	Repaving	Monumental Park	Erie	1	1st	5,843 78
Superior	Sewer	Monumental Park	Erie	1	1st	4,189 83
Walnut	Sewer	Muirson	Dodge	1	1st	3,290 33
Willey	Main Sewer	Walworth Run	Jennings	1	1st	1,349 81
Woodland	Repaving	Perry	Irving and Charles	2	2d	3,336 20
Woodland	Repaving	Irving and Charles	Willson	2	2d	26.319 52

TABLE No. 24—Continued.

A LIST OF SPECIAL ASSESSMENTS LEVIED IN THE TAX OF 1882, TO MEET OUTSTANDING BONDS AND INTEREST. LIST No. 2.

Name of Street.	Nature of Improvement.	From Street or Avenue.	To Street or Avenue.	No. of Instalments	Instalment of 1882.	Amount Levied.
Allen	Opening assessment	Burnham	Parkman	5	3d	$ 1,450 26
Bond	Opening assessment	Superior	Euclid	5	3d	16,075 32
Becker	Widening assessment	St. Clair	E. Madison	5	3d	478 34
Cuyahoga River	Dredging assessment	U. C. Way bridge	W. line of or. lot No. 281	6	6th	11,243 09
Central Way	Masonry assessment	Under C. & M. R'y bridge		5	5th	3,163 19
Central Way	Bridge assessment	Under C. & M. R'y bridge		5	5th	365 08
Custead	Opening assessment	Superior	Hough	5	3d	77 92
Euclid	Macadamizing assessment	Fairmount	City limits	10	9th	5,182 54
Grand	Opening assessment			5	3d	444 09
Marquette	Opening assessment			5	3d	581 36
Orange	Opening assessment			5	3d	930 24
Payne	Opening assessment			5	3d	29,580 04

TABLE No. 24, LIST No. 2—Continued.

Name of Street.	Nature of Improvement.	From Street or Avenue.	To Street or Avenue.	No. of Instalments	Instalment of 1882.	Amount Levied.
Russell	Opening & widening ass'm't	Superior	Beecher	5	3d	836 66
Seneca	Opening assessment			5	3d	4,089 06
Seneca	Opening assessment	St. Clair	Union Passenger Depot	5	3d	969 99
Sheriff	Opening assessment	Prospect	Huron	5	3d	9,848 09
Summit	Opening assessment	Seneca	Erie	10	8th	3,108 29
St. Clair	Widening assessment	Willson	E. line of the city	5	3d	1,667 69
Willson	Opening assessment	Sawtell	Broadway	5	3d	2,020 13
Willson	Grading, &c., assessment	Julia	Maurice	5	3d	2,913 53
Wade Park	Opening assessment			5	3d	3,506 13
Warner Road	Grading, &c., assessment			5	5th	1,633 58
Willson	Widening assessment	St. Clair	Lake Erie	5	3d	3,428 56

TABLE No. 24—Continued.

A LIST OF SPECIAL ASSESSMENTS (ADDITIONAL) LEVIED IN TAX OF 1882 TO PAY EXCESS OF COST OVER THE ESTIMATE. LIST No. 3.

Name of Street.	Nature of Improvement.	From Street or Avenue.	To Street or Avenue.	No. of Instalments.	Instalment of 1882.	Amount Levied.
Broadway	Repaving	Ohio	Cross	1	1st	2,525 04
Broadway	Repaving	Cross	Perry	1	1st	1,189 11
Broadway	Repaving	Perry	Liberal	1	1st	679 31
Broadway	Repaving	Independence	900 feet southerly	1	1st	904 89
Bank	Repaving	Superior	289 feet north of Lake	1	1st	4,987 91
Detroit	Repaving	198 feet east of Pearl	Pearl	1	1st	218 46
Detroit	Repaving	Pearl	Kentucky	1	1st	2,053 39
Detroit	Repaving	205 feet west of Waverly st.	W. line of city	1	1st	1,583 52
Monumental Park	Repaving	S. & W. sides from E. line of	the Park to S. line of Supe'r	1	1st	1,509 90
Pearl	Repaving	Detroit	N. line of Willey	1	1st	4,915 59
Seneca	Repaving	Superior	St. Clair	1	1st	1,028 37
Scovill	Sewer	Wil'son	First	1	1st	378 40
Superior	Repaving	W. line of Water	E. curb line of W.S.Mon P'rk	1	1st	5,389 63
Woodland	Repaving	Ohio	Cross	1	1st	1,491 63
Woodland	Repaving	Cross	Perry	1	1st	3,178 94
Woodland	Repaving	Perry	Irving and Charles	1	1st	1,556 17
Woodland	Repaving	Irving and Charles	Willson	1	1st	7,876 97

TABLE No. 25.

BALANCE SHEET, JANUARY 1, 1883.

	Balance Debit.	Balance Credit
Atlantic street, grading, etc	$ 1,766 56	
Armory Fund		$ 14 99
Allen street, opening	3,357 92	
Allen street, grading, etc		58 05
Bond Account: General bonds		5,943,000 00
Bond Account: Street improvements		108 700 00
Bond Account: Sewers		289,200 00
Bond Account: Street damages		352,200 00
Bills receivable	5,340 00	
Bills payable		68,373 80
Bank Street Rail Road Co	144 87	
Bond street, opening	40,481 25	
Becker avenue, widening	712 03	
Broadway, paving, from Ohio to Independence	6,973 94	
Broadway, paving, from Independence to Union	20,449 31	
Broadway, paving, etc., from Union to Miles	92,272 09	
Broadway, paving, from Ohio to Liberal	12,143 15	
Broadway, paving, etc., from Miles to Woodland Hills avenue	104 96	
Broadway, repaving, from independence to 900 feet south	418 60	
Broadway, repaving, from 900 feet south of Independence to Mead avenue		3,526 35
Beckwith street, grading, etc	1,020 32	
Bank street, sewer	3,890 68	
Bridge Fund		4,680 33
Carried forward	$ 189,070 68	$ 6,764,748 02

TABLE No. 25—Continued.

	Balance Debit.	Balance Credit.
Brought forward	$ 189,070 63	$6,764,748 02
Bank street, repaving	2,906 89	.....
Cleveland & Newburgh Street Railroad Co	8,415 14	.....
Cleveland & Brooklyn Street Rail Road Co	484 96	.....
Certified estimate account	.....	2,383 34
Clark avenue, cindering	89 69	.....
Central Place, opening	30,118 36	.....
Clinton street, grading and curbing	7 01	.....
Commercial street, sewer	.....	40 75
Cedar avenue, grading, etc., from Perry to Willson avenue	.....	660 36
Chestnut Ridge street, McAdamizing	18,028 99	.....
Commercial street, improvements	.....	596 44
Cedar avenue, McAdamizing, from Willson to Fairmount	13,245 62	.....
Case avenue, paving from Euclid to Garden	.....	1,428 75
Canal Fund, balance cash	.....	975 64
" " bonds outstanding	275,000 00	.....
Central Way, masonry	1,169 06	.....
Columbus, Pearl and Walworth Run Bridge, improvements	33,400 00	.....
Detroit street, repaving, from Waverly avenue to city limits	1,162 33	.....
Detroit street, repaving, from Pearl street to Kentucky street	5,619 85	.....
Dredging Fund	13,663 28	.....
Everett, S. T., City Treasurer	.....	19,437 35
Carried forward	$ 592,381 81	$6,790,170 65

TABLE No. 25—Continued.

	Balance Debit.	Balance Credit.
Brought forward	$592,381 81	$6,790,170 65
East Madison avenue, McAdamizing, etc	168 27	
Erie street, repaving, from Lake street to Woodland avenue	4,924 23	
Euclid avenue, McAdamizing, from Fairmount to city limits	9,088 81	
Euclid avenue, repaving, from Perry street to Willson avenue		19,117 26
Euclid avenue, paving, west of Erie street	31,194 73	
Euclid avenue, paving, from Willson avenue to Fairmount street	41,696 68	
Euclid avenue, repaving, from Willson avenue to Fairmount street		19,888 93
Funded Debt Bond Account	1,931,000 00	
Fire Department		135 13
Forest street, grading and damages		690 43
Fairmount street, McAdamizing	4,411 62	
General Fund, cash		10,447 09
" " bills receivable		5,340 00
Garden street, paving,		793 95
Grand avenue, grading, etc	7,612 70	
Hough avenue, grading and damages	1,473 44	
Herman street, opening, grading, etc.		1,167 15
House of Correction, cash		20,361 08
" " bonds outstanding	184,000 00	
Hamilton street, grading, etc	68 58	
Herald street, grading, etc	20,277 84	
Carried forward	$2,828,298 71	$6,868,061 67

TABLE NO. 25—Continued.

	Balance Debit.	Balance Credit.
Brought forward	$2,828,298 71	$6,868,061 67
Infirmary Fund		5,962 53
" " bonds outstanding	30,000 00	
Interest Fund	10,054 28	
Iona street, grading, etc		75 37
Isabella street, grading, etc		126 67
Jennings avenue, paving	3,720 68	
Krupp alley, paving		95 28
Kinsman street, paving, grading and culverts	53,529 61	
Lorain street, damages by grading		29 50
Lorain street, repaving, from Pearl street to Waverly avenue	4,344 72	
Lighting Fund		1,005 64
Market Fund		1,301 31
Marquette street, opening	2,187 40	
McMahon, John E		4,977 48
Monument square, repaving		509 82
North Woodland avenue, damages		642 15
Orange street, opening	4,068 49	
Pearl street, paving, from Detroit street to Willey street	2,755 27	
Police Court Fund		4,704 18
Police Department		4,067 08
Pearl street, paving, (old account)		
Perry street, paving		1,317 54
Payne avenue, grading and curbing	1,433 06	
Carried forward	$2,240,392 22	$6,892,876 17

TABLE No. 25—Continued.

	BALANCE DEBIT.	BALANCE CREDIT.
Brought forward	$2,940,392 22	$6,892,876 17
Payne avenue, opening	111,141 83	
Prospect street, repaving, from Erie street to Perry street		1,312 20
Prospect street, paving, from Perry street to Willson avenue		2,285 32
Pearl street, repaving, from Willey street to Monroe street	1,094 47	
Poplar street, grading and draining		348 55
Prospect street, repaving, from Sterling avenue to Case avenue	5,157 24	
Park Fund, cash		2,529 05
" " bonds outstanding	315,000 00	
Prospect street, repaving, from Perry street to Sterling avenue	966 81	
Russell avenue, opening	2,118 25	
Repaving Fund		19,676 98
South Side Street Rail Road Co	186 29	
Sibley street, curbing, from Case avenue to Kennard street		113 71
Sibley street, grading, etc., fram Hayward street to Case avenue		174 75
Street Department		391 27
Sanitary Fund		722 48
Sinking Fund, (for general bonds)		8,863 75
Seneca street, repaving, from Superior street to St. Clair street	2,116 25	
Street intersections	393 97	
Carried forward	$3,378,562 33	$6,929,494 13

TABLE No. 25—Continued.

	Balance Debit.	Balance Credit.
Brought forward	$3,378,562 33	$6,929,494 13
Superior street, repaving, from Monumental Park to Erie street		7,067 08
Steele & McMahon		2,373 20
Special Road Fund		322 57
Seneca street, opening, grading and grading damages	12,189 24	
Superior street, grading, from Perry street to Willson avenue		10,789 71
Superior street, repaving, from Water street to Monumental Park	3,058 26	
Superior street, widening	6,704 81	
St Clair street, paving, from Erie street to Water street	3,684 02	
St. Clair street, widening	7,726 04	
Summit street, grading and curbing		47 74
Summit street, opening	24,085 08	
Seyler alley, damages		633 79
School Bond Account	150,000 00	
St. Paul street, grading and damages	6 20	
Slater street opening	329 00	
Superior street, repaving, from Erie street to Perry street		4,837 00
Sewer Districts 1 and 2, East Cleveland	11,276 25	
Sewer District No. 3, East Cleveland		205 22
Superior street sewer, east of Doan Brook	2,844 80	
Sewer District No. 1	17,378 56	
" " " 2	22,835 52	
Carried forward	$3,640,690 11	$6,955,770 42

TABLE No. 25—Continued.

	Balance Debit.	Balance Credit.
Brought forward	$3,640,680 11	$6,955,770 42
Sewer District No. 3	1,711 53	
" " " 4		812 99
" " " 5	19,361 19	
" " " 6		768 05
" " " 7	185,140 87	
" " " 8		664 90
" " " 9	410 28	
" " " 10		213 82
" " " 11		151 00
" " " 12	15,368 90	
St. Clair street sewer	20,382 20	
Sinking Fund Commissioners	428,601 87	
Tod street, grading		703 51
Vine street, sewer		175 92
Viaduct and Canal Sinking Fund		420,521 87
Viaduct Fund, cash		927 76
" " bonds outstanding	2,138,000 00	
Vega avenue, cindering, etc	83 94	
Woodland avenue, repaving from Perry street Willson avenue	12,305 50	
Willson avenue, grading from Broadway to N. Y. P. & O. Ry		142 92
Willson avenue, grading, from Euclid avenue to Lake Erie	13,000 00	
Willson avenue, damages, from Sawtell avenue to Broadway	9,793 37	
Carried forward	$6,484,839 26	$7,380,853 16

TABLE NO. 25—Continued.

	Balance Debit.	Balance Credit.
Brought forward	$6,484,839 26	$7,380,853 16
Willson avenue, opening, north of St. Clair street	13,513 53	
Wade park avenue, grading, etc.	6,930 47	
Willson avenue, damages, from Julia street to Sawtell avenue		2,011 66
Warner Road, grading, masonry and bridge	1,519 48	
Willson avenue, grading from Euclid avenue to Woodland avenue		670 34
Woodland Hills avenue, grading		560 04
Woodland Hills avenue, damages		567 45
Woodland avenue, paving, from East Madison avenue to Woodland Hills avenue		708 09
Willson avenue, grading, from Maurice street to Sawtell avenue		1,172 73
Wade Park avenue opening	11,253 47	
Willson avenue, grading, from Julia street to Maurice street		8,069 95
Woodland avenue, repaving, from Ohio street to Perry street	821 95	
Water Works Fund, cash		24,264 77
" " bonds outstanding	900,000 00	
Totals	$7,418,878 16	$7,418,878 16

RESULTS IN 1882.

Increase of ordinary expenses of 1882 over those of 1881—Table 3		$ 38,946 82
Increase of levy for general purposes in 1882 over that of 1881—Table 22		51,794 11
Increase of taxable valuation for 1882 over that of 1881		3,098,156 00
Net reduction of city debt of all kinds in 1882—Table 18		223,105 55
Amount paid in 1882 for permanent improvements—new structures, improvement of Water Works, and repaving streets—Table 1		
From Fire Department Fund	$ 6,114 14	
" General Fund	6,168 99	
" House of Correction Fund	6,473 66	
" Lighting Fund	4,353 45	
" Market Fund	2,208 82	
" Police Court Fund	13,221 98	
" Park Fund	6,004 57	
" Water Works Fund	320,652 76	
For cost of repaving streets	439,985 38	
Aggregate paid for permanent improvements in 1882	$805,183 20	

Respectfully submitted,

HENRY FORD,

City Auditor.

ANNUAL REPORT

OF THE

CITY

TREASURER,

OF THE

CITY OF CLEVELAND,

FOR THE FISCAL YEAR ENDING DECEMBER 31, 1882.

CITY TREASURER'S REPORT.

To the Honorable Mayor and City Council of the City of Cleveland, Ohio:

GENTLEMEN:

Herewith I beg to submit a detailed statement of the receipts and disbursements of the several funds of the city for the year ending December 31st, 1882.

DR.

ATLANTIC STREET—			
Overdrawn January 1, 1882		$2,139 82	
Receipts		373 26	
Overdrawn			$1,766 56
ALLEN STREET OPENING—			
Overdrawn January 1, 1882		4,893 10	
Receipts		1,535 18	
Overdrawn			3,357 92
BANK STREET REPAVING—From Superior street to Lake street.			
Balance to credit, January 1, 1882		5,882 24	
Receipts from County Treasurer	$ 5,908 19		
" " Sinking Fund Commissioners	17,623 20		
Receipts from direct collection of tax	464 10		
	23,995 49		
Disbursements	29,984 62	5,989 13	
Overdrawn			106 89

BANK STREET SEWER—From Superior to 340 feet north of Lake street			
Balance to credit July 1, 1882		$ 652 00	
Disbursements	$12,001 60		
Receipts	10,758 97	1,242 63	
Overdrawn			$ 590 63
BROADWAY FUND—			
Overdrawn January 1, 1882		67,059 16	
Disbursements	64,782 96		
Receipts	3,626 68	61,156 28	
Overdrawn			128,215 44
BOND STREET DAMAGES—			
Balance to credit January 1, 1882		7,820 36	
Disbursements	36,690 00		
Receipts	23,888 39	13,301 61	
Overdrawn			5,481 25
BECKWITH STREET—			
Overdrawn		1,077 23	
Receipts		56 91	
Overdrawn			1,020 32
BECKER AVENUE DAMAGES—			
Overdrawn January 1, 1882		1,229 40	
Receipts		517 37	
Overdrawn			712 03
CLINTON STREET GRADING—			
Disbursements		1,189 66	
Receipts		1,182 65	
Overdrawn			7 01
CLARK AVENUE—			
Balance to credit January 1, 1882		2,749 03	
Disbursements	3,269 00		
Receipts	430 28	2,838 72	
Overdrawn			80 69
CEDAR AVENUE McADAMIZING—			
Overdrawn January 1, 1882		3,705 62	
Disbursements		3,540 00	
Overdrawn			7,245 62

CHESTNUT RIDGE STREET McADAMIZING—			
Overdrawn January 1, 1882		$7,040 50	
Disbursements	$10,244 08		
Receipts	6,255 59	3,988 49	
Overdrawn			$11,028 99
EUCLID AVENUE PAVING—From Willson avenue to Fairmount street.			
Overdrawn January 1, 1882		12,025 51	
Disbursements	10,680 00		
Receipts	8 83	10,671 17	
Overdrawn			22,696 68
EAST MADISON AVENUE—			
Balance to credit, January 1, 1882		675 18	
Disbursements	1,991 61		
Receipts	1,148 16	843 45	
Overdrawn			168 27
EUCLID AVENUE PAVING—West of Erie street.			
Overdrawn January 1, 1882		5,804 73	
Disdursements		5,390 00	
Overdrawn			11,194 73
ERIE STREET REPAVING—From Lake st. to Woodland avenue.			
Balance to credit, January 1, 1882		141 65	
Receipts from County Treasurer	12,249 58		
" " Sinking Fund Commissioners	16,495 13		
" " direct collection of tax	177 14		
" " other sources	541 99		
	29,463 84		
Disbursements	34,529 72	5,065 88	
Overdrawn			4,924 23
FAIRMOUNT STREET McADAMIZING—			
Overdrawn January 1, 1882		595 62	
Disbursements		1,216 00	
Overdrawn			1,811 62

GRAND AVENUE—			
Overdrawn January 1, 1882		$ 2,099 82	
Disbursements	$ 6,900 00		
Receipts	727 12	5,572 88	
Overdrawn			$7,612 70
HERALD STREET—			
Overdrawn January 1, 1882		327 84	
Disbursements		3,950 00	
Overdrawn			4,277 84
HAMILTON STREET—			
Overdrawn January 1, 1882		59 32	
Disbursements	848 00		
Receipts	888 74	9 26	
Overdrawn			68 58
HOUGH AVENUE—			
Overdrawn January 1, 1882		3,223 52	
Receipts	3,624 09		
Disbursements	1,874 01	1,750 08	
Overdrawn			1,473 44
INTEREST FUND—			
Balance to credit January 1, 1882		8,407 68	
Disbursements	376,581 84		
Receipts	358,119 88	18,461 96	
Overdrawn			10,054 28
JENNINGS AVENUE—			
Overdrawn January 1, 1882		4,932 88	
Receipts		1,025 91	
Overdrawn			3,906 97
KINSMAN STREET—			
Balance to credit, January 1, 1882		1,688 92	
Disbursements	41,843 05		
Receipts	6,624 52	35,218 53	
Overdrawn			33,529 61
MARQUETTE STREET—			
Overdrawn		47 76	
Disbursements	4,340 00		
Receipts	4,200 36	139 64	
Overdrawn			187 40

ORANGE STREET OPEN'G AND EXT'NG—			
Overdrawn January 1, 1882		$ 5,106 22	
Receipts	$1,089 21		
Disbursements	51 48	1,037 73	
Overdrawn			$ 4,068 49
PAYNE AVENUE GRADING—From Superior to Huntington street.			
Disbursements		4,019 70	
Receipts		2,586 64	
Overdrawn			1,433 06
PROSPECT STREET REPAVING — From Perry street to Sterling avenue.			
Disbursements		24,539 69	
Receipts		23,572 88	
Overdrawn			966 81
PEARL STREET—			
Overdrawn January 1, 1882		4,307 30	
Receipts		3,822 34	
Overdrawn			484 96
PROSPECT STREET REPAVING—From Sterling avenue to Case avenue.			
Disbursements		28,966 12	
Receipts		23,808 88	
Overdrawn			5,157 24
RUSSELL AVENUE DAMAGES—			
Balance to credit January 1, 1882		85 97	
Disbursements	3,169 06		
Receipts	969 84	2,199 22	
Overdrawn			2,113 25
SUPERIOR STREET REPAVING — From Water street to Monumental Park.			
Disbursements		22,410 08	
Receipts		19,351 82	
Overdrawn			3,058 26
SEWER DISTRICT NO. 1—			
Overdrawn January 1, 1882		1,720 23	
Receipts	8,531 19		
Disbursements	7,889 52	641 67	
Overdrawn			1,078 56

SEWER DISTRICT NO. 7—			
Overdrawn January 1, 1882		$ 523 63	
Disbursements	$42,565 71		
Receipts	42,248 47	317 24	
Overdrawn			840 87
SEWER DISTRICT NO. 9—			
Disbursements		410 28	
Overdrawn			410 28
SUMMIT STREET OPENING—			
Overdrawn January 1, 1882		3,170 45	
Disbursements	5,696 00		
Receipts	3,081 37	2,614 63	
Overdrawn			5,785 08
ST. PAUL STREET DAMAGES—			
Balance to credit January 1, 1882		5 08	
Disbursements	954 00		
Receipts	942 72	11 28	
Overdrawn			6 20
ST. CLAIR STREET DAMAGES—			
Overdrawn January 1, 1882		5,376 93	
Disbursements	8,400 09		
Receipts	6,050 89	2,349 11	
Overdrawn			7,726 04
STREET INTERSECTION FUND—			
Balance to credit January 1, 1882		6,103 84	
Disbursements	8,810 16		
Receipts	2,312 35	6,497 81	
Overdrawn			393 97
SUPERIOR STREET DAMAGES—			
Overdrawn January 1, 1882		3,264 81	
Disbursements	4,200 00		
Receipts	760 00	3,440 00	
Overdrawn			6,704 81
ST. CLAIR STREET SEWER—			
Overdrawn January 1, 1882		4,906 49	
Disbursements	3,882 00		
Receipts	6 29	3,875 71	
Balance			8,782 20

SUPERIOR STREET SEWER—East of Doan Brook.			
Overdrawn January 1, 1882		$ 2,020 96	
Receipts	$ 1,082 16		
Disbursements	906 00	176 16	
Overdrawn			$1,844 80
VEGA AVENUE—			
Balance to credit, January 1, 1882		407 34	
Disbursements	549 66		
Receipts	58 38	491 28	
Overdrawn			83 94
WILLSON AVENUE DAMAGES—			
Overdrawn January 1, 1882		5,992 31	
Disbursements	11,040 00		
Receipts	3,737 07	7,302 93	
Overdrawn			13,295 24
WADE PARK AVENUE—			
Overdrawn January 1, 1882		6,981 92	
Receipts		51 45	
Overdrawn			6,930 47
WARNER STREET—			
Balance to credit January 1, 1882		179 14	
Disbursements	3,277 00		
Receipts	1,578 38	1,698 62	
Overdrawn			1,519 48
WADE PARK AVENUE—			
Overdrawn January 1, 1882		12,865 37	
Receipts	3,949 82		
Disbursements	2,337 92	1,611 90	
Overdrawn			11,253 47
WOODLAND AVENUE REPAVING—From Ohio street to Perry street.			
Balance to credit January 1, 1882—		8,589 86	
Disbursements	33,799 50		
Receipts	24,387 69	9,411 81	
Overdrawn			821 95

WILLSON AVENUE—			
Overdrawn January 1, 1882—		$5,457 59	
Receipts	$14,411 24		
Disbursements	12,040 63	2,370 61	
Overdrawn			$3,086 98

CR.

ARMORY FUND—			
Balance to credit January 1, 1882		$ 327 73	
Disbursements	$ 677 74		
Receipts	365 00	312 74	
Balance			$ 14 99
ALLEN STREET GRADING—			
Receipts		274 46	
Disbursements		221 41	
Balance			53 05
BRIDGE FUND—			
Balance to credit January 1, 1882—		2,619 09	
Receipts from County Treasury	35,416 39		
Receipts from West Side Street R. R. Co.	564 00		
Receipts from Brooklyn Street R. R. Co.	188 00		
Receipts from other sources	15 00		
	36,183 39		
Disbursements	34,122 15	2,061 24	
Balance			4,680 33
BROADWAY REPAVING — From Ohio to Liberal street.			
Receipts from County Treasurer		11,219 91	
Receipts from Sinking Fund Commiss'n'rs		39,812 77	
Receipts from direct collection of tax		2,144 58	
		53,177 26	
Disbursements		50,256 07	
Balance			2,921 19
BROADWAY PAVING—From Independence street to 900 feet south.			
Receipts from County Treasurer		3,713 30	
Receipts from Sinking Fund Commiss'n'rs		5,236 38	
Receipts from direct collection of tax		439 76	
Receipts from other sources		20 75	
		9,410 19	
Disbursements		8,918 89	
Balance			491 30

BROADWAY PAVING—From Independence street to Mead avenue.			
Receipts		$ 3,812 83	
Disbursements		286 48	
Balance			$ 3,526 35
CANAL FUND—			
Balance to credit January 1, 1882		975 64	
Balance			975 64
CASE AVENUE PAVING—From Euclid avenue to Garden street			
Balance to credit January 1, 1882		4,577 46	
Disbursements	$ 6,843 61		
Receipts	3,694 90	3,148 71	
Balance			1,428 75
CENTRAL PLACE OPENING—			
Balance to credit January 1, 1882		26,023 57	
Receipts	12,703 07		
Disbursements	12,345 00	358 07	
Balance			26,381 64
COMMERCIAL STREET—			
Balance to credit January 1, 1882		1,096 44	
Disbursements		500 00	
Balance			596 44
CEDAR AVENUE—From Perry street to Willson avenue.			
Balance to credit		660 36	
Balance			660 36
COMMERCIAL STREET SEWER DISTRICT.			
Balance to credit January 1, 1882		42 89	
Disbursements	2,140 00		
Receipts	2,137 86	2 14	
Balance			40 75
CENTRAL WAY FUND—			
Balance to credit January 1, 1882		759 74	
Receipts	3,714 57		
Disbursements	3,643 37	71 20	
Balance			830 94

CUYAHOGA RIVER DREDGING FUND—			
Balance to credit January 1, 1882		$ 6,762 73	
Disbursements	$74,494 78		
Receipts	74,068 77	426 01	
Balance			$ 6,336 72
DETROIT STREET PAVING—			
Balance to credit January 1, 1882		3,406 41	
Receipts from County Treasurer	10,569 08		
" " Sinking Fund Commission'rs	24,094 40		
" " direct collection of tax	3,250 83		
" " other sources	39 78		
	37,954 04		
Disbursements	41,096 39	3,142 35	
Balance			264 06
EUCLID AVENUE REPAVING—From Willson avenue to Fairmount street.			
Receipts		19,838 93	
Balance			19,838 93
EUCLID AVENUE REPAVING—From Case avenue to Willson avenue.			
Receipts		9,066 96	
Disbursements		3,544 93	
Balance			5,522 03
EUCLID AVENUE REPAVING—From Perry street to Case avenue.			
Receipts		13,595 23	
Balance			13,595 23
EUCLID AVENUE McADAMIZING—			
Balance to credit January 1, 1882		301 36	
Receipts	5,666 83		
Disbursements	4,957 00	709 83	
Balance			1,011 19
FIRE DEPARTMENT FUND—			
Balance to credit January 1, 1882		1,494 68	
Receipts from County Treasurer	153,480 01		
Receipts from A. J. Spencer, Secretary	2,327 16		
Receipts from transfer from Market Fund	3,600 00		
Receipts from other sources	34 36		
	159,441 53		
Disbursements	160,801 08	1,359 55	
Balance			135 13

FOREST STREET—			
Balance to credit January 1, 1882		$ 690 43	
Balance			$ 690 43
GENERAL FUND—			
Balance to credit January 1, 1882		26,194 59	
Receipts from County Treasurer	$78,707 69		
Receipts from City Hall rents	9,864 70		
Receipts from W. H. Eckman, City Clerk	4,518 75		
Receipts from City Scales	2,174 76		
Receipts from City Pounds	172 48		
Receipts from sale of Pest House property	15,000 00		
Receipts from other sources	6,258 54		
	116,686 92		
Disbursements	132,434 42	15,747 50	
Balance			10,447 09
GARDEN STREET—			
Balance to credit January 1, 1882		4,436 32	
Disbursements		3,642 37	
Balance			793 95
HOUSE OF CORRECTION FUND—			
Balance to credit January 1, 1882		4,651 51	
Receipts from W. D. Patterson, Sup't	108,958 05		
Receipts from other sources	107 46		
	109,065 51		
Disbursements	93,355 94	15,709 57	
Balance			20,361 08
HERMAN STREET—			
Balance to credit January 1, 1882		95 90	
Disbursements	1,060 00		
Receipts	1,049 78	10 22	
Balance			1,167 15
ISABELLA STREET—			
Balance to credit January 1, 1882		95 90	
Receipts		30 77	
Balance			126 67

IONA STREET—			
Balance to credit January 1, 1882		$ 52 27	
Receipts		23 10	
Balance			$ 75 37
INFIRMARY FUND—			
Balance to credit January 1, 1882		2,290 59	
Receipts from County Treasurer	$31,425 38		
Receipts from W. H. Eckman, City Clerk	5,286 00		
Receipts from J. Bluim, Clerk	3,271 49		
Receipts from L. S. O'Neil, Clerk	1,010 00		
Receipts from S. F. Mellen, Clerk	2,429 50		
Receipts from other sources	34 25		
	43,456 62		
Disbursements	39,784 68	3,671 94	
Balance			5,962 53
KRUPP ALLEY GRADING AND PAVING—			
Receipts		798 63	
Disbursements		703 35	
Balance			95 28
LIGHTING FUND—			
Balance to credit January 1, 1882		6,578 01	
Receipts from County Treasurer	86,578 45		
Receipts from transfer from Market Fund	8,000 00		
Receipts from other sources	11 25		
	94,589 70		
Disbursements	100,162 07	5,572 37	
Balance			1,005 64
LORAIN STREET PAVING — From Pearl street to Waverly avenue.			
Receipts		11,231 28	
Disbursements		8,576 00	
Balance			2,655 28
LORAIN STREET DAMAGES—			
Balance to credit January 1, 1882		118 61	
Disbursements	552 84		
Receipts	463 73	89 11	
Balance			29 50

MARKET FUND—			
Balance to credit January 1, 1882		$ 6,621 06	
Receipts from premiums	$18,359 50		
Receipts from rents	11,727 25		
Receipts from C. Beck, Sup't	4,016 25		
	34,103 00		
Disbursements	39,422 75	5,319 75	
Balance			$ 1,301 31
MONUMENTAL PARK PAVING—			
Balance to credit January 1, 1882		993 58	
Receipts	11 772 74		
Disbursements	10,746 60	1,026 14	
Balance			2,019 72
NORTH WOODLAND AVENUE--			
Balance to credit January 1, 1882		642 15	
Balance			642 15
POPLAR STREET GRADING--			
Receipts		348 55	
Balance			348 55
POLICE COURT FUND—			
Balance to credit January 1, 1882		8,997 44	
Receipts from W. H. Baxter, Clerk	17.612 72		
Receipts from W. D. Patterson, Sup't	4,162 70		
	21,775 42		
Disbursements	26,068 73	4,293 31	
Balance			4,704 13
PARK FUND—			
Balance to credit January 1, 1882		751 45	
Receipts	15,741 54		
Disbursements	13,963 94	1,777 60	
Balance			2,529 05
POLICE FUND—			
Balance to credit January 1, 1882		1,382 81	
Receipts from County Treasurer	145,609 24		
Receipts from W. H. Eckman, City Clerk	4,778 00		
Receipts from T. King, Secretary	331 05		
	150,718 29		
Disbursements	148,034 02	2,684 27	
Balance			4,067 08

PEARL STREET REPAVING—From Willey to Monroe street.			
Receipts		$ 4,514 20	
Disbursements		3,616 19	
Balance			$ 898 01
PROSPECT STREET REPAVING — From Erie to Perry street.			
Balance to credit January 1, 1882		2,610 59	
Disbursements	$ 5,457 00		
Receipts	4,158 61	1,298 39	
Balance			1,312 20
PAYNE AVENUE DAMAGES—			
Balance to credit January 1, 1882		145,435 08	
Disbursements	108,667 97		
Receipts	33,691 06	74,976 91	
Balance			70,458 17
PERRY STREET—			
Balance to credit January 1, 1882		1,825 74	
Disbursements	1,926 00		
Receipts	1,417 80	508 20	
Balance			1,317 54
PROSPECT STREET—From Perry street to Willson avenue.			
Balance to credit January 1, 1882		2,285 32	
Balance			2,285 32
PEARL STREET PAVING — From Detroit to Willey street.			
Balance to credit January 1, 1882		7,753 68	
Disbursements	45,090 78		
Receipts	39,485 41	5,605 37	
Balance			2,148 31
REPAVING FUND—			
Receipts		19,676 93	
Balance			19,676 93
SIBLEY STREET GRADING & CURBING—			
Receipts		1,689 02	
Disbursements		1,400 56	
Balance			288 46

SIBLEY STREET GRADING & CURBING—			
Receipts		$ 1,689 02	
Disbursements		1,400 56	
Balance			288 46
SUMMIT STREET GRADING—From Seneca to Erie street.			
Receipts		2,205 91	
Disbursements		2,158 17	
Balance			47 74
SUPERIOR STREET REPAVING — From Erie to Perry street.			
Receipts		7,714 18	
Disbursements		2,877 18	
Balance			4,837 00
SEWER DISTRICT No. 2.			
Balance to credit January 1, 1882		556 31	
Receipts	$ 8,956 60		
Disbursements	8,148 43	808 17	
Balance			1,364 48
SEWER DISTRICT No. 3—			
Overdrawn January 1. 1882		382 20	
Receipts	8,783 35		
Disbursements	8,112 68	670 67	
Balance			288 47
SEWER DISTRICT No. 4—			
Balance to credit January 1, 1882		1,567 19	
Disbursements	886 20		
Receipts	132 00	754 20	
Balance			812 99
SEWER DISTRICT No. 5—			
Balance to credit January 1, 1882		1,088 43	
Receipts	8,152 65		
Disbursements	7,902 27	250 38	
Balance			1,338 81
SEWER DISTRICT No. 6—			
Balance to credit January 1, 1882		768 05	
Balance			768 05

SEWER DISTRICT No. 8—			
Balance to credit January 1, 1882		$ 671 20	
Disbursements		6 30	
Balance			$ 664 90
SEWER DISTRICT No. 10—			
Balance to credit January 1, 1882		208 52	
Receipts		5 30	
Balance			213 82
SEWER DISTRICT No. 11—			
Balance to credit January 1, 1882		151 00	
Balance			151 00
SEWER DISTRICT No. 12—			
Overdrawn January 1, 1882		115 61	
Receipts	$ 7,885 53		
Disbursements	7,538 82	346 71	
Balance			231 10
SEWER DISTRICTS Nos. 1 and 2, E. C.—			
Balance to credit January 1, 1882		2,223 75	
Receipts	7,170 00		
Disbursements	7,170 00		
Balance			2,223 75
SEWER DISTRICT NO. 3—E. C.			
Balance to Credit Januury 1, 1882		205 22	
Balance			205 22
SPECIAL ROAD FUND—			
Balance to credit January 1, 1882		2,610 76	
Disbursements	5 55		
Receipts	70	4 85	
Balance			2,605 91
SUPERIOR STREET GRADING—From Perry street to Willson avenue.			
Balance to credit January 1, 1882		770 93	
Receipts	10,722 93		
Disbursements	704 15	10,018 78	
Balance			10,789 71
SUPERIOR STREET REPAVING — From Park to Erie Streets.			
Balance to credit January 1, 1882		1,179 14	
Receipts	9,896 39		
Disbursements	4,008 50	5,887 89	
Balance			7,067 03

SENECA STREET REPAVING—From Superior to St. Clair Streets.			
Balance to credit January 1, 1882		$ 1,199 47	
Disbursements	$11,457 01		
Receipts	10,993 15	463 86	
Balance			$ 735 61
SANITARY FUND—			
Balance to credit January 1, 1882		4 038 85	
Receipts from County Treasurer	11,806 16		
" " W. H. Farrand, Secretary	1,706 74		
" " transfer from Market Fund	3,500 00		
	17,012 90		
Disbursements	20,329 32	3,316 42	
Balance			722 43
STREET FUND—			
Balance to credit January 1, 1882		11,782 97	
Receipts from County Treasury	62,390 84		
" " W. H. Eckman, City Clerk	835 00		
" " repairs on streets	7,236 93		
" " transfer from Market Fund	10,000 00		
" " other sources	2,893 64		
	83,336 41		
Disbursements	94,528 11	11,191 70	
Balance			591 27
SEYLER ALLEY—			
Balance to credit January 1, 1882		633 79	
Balance			633 79
SLATER STREET OPENING—			
Balance to credit January 1, 1882		1,448 49	
Receipts	3,251 51		
Disbursements	2,659 00	622 51	
Balance			2,071 00
SENECA STREET DAMAGES—			
Balance to credit January 1, 1882		7,045 09	
Disbursements	9,443 32		
Receipts	5,208 99	4,234 33	
Balance			2,810 76

ST. CLAIR STREET PAVING—			
Balance to credit January 1, 1882		$ 2,492 84	
Disbursements	$ 6,255 25		
Receipts	5,933 52	321 73	
Balance			$ 2,171 11
TOD STREET—			
Balance to credit January 1, 1882		703 51	
Balance			703 51
SINKING FUND—			
Balance to January 1, 1882		791 71	
Receipts from County Treasurer	94,449 23		
" " Sinking Fund Commision'rs	109,250 00		
" " other sources	7,508 63		
	211,207 86		
Disbursements	211,627 07	419 21	
Balance			372 50
VINE STREET SEWER—			
Receipts		1,706 63	
Disbursements		1,530 71	
Balance			175 92
VIADUCT FUND—			
Balance to credit January 1, 1882		927 76	
Balance			927 76
VIADUCT SINKING FUND—			
Balance to credit January 1, 1882		77 75	
Receipts from County Treasurer	3,935 38		
" " rents	871 00		
	4,806 38		
Disbursements	4,472 38	334 00	
Balance			411 75
WOODLAND AVENUE REPAVING—From Perry street to Willson avenue.			
Receipts		91,102 80	
Disbursements		87,408 30	
Balance			3,694 50

WOODLAND AVENUE—			
Overdrawn January 1, 1882		$ 1,519 92	
Receipts	$ 5,878 01		
Disbursements	8,650 00	2,228 01	
Balance			$ 708 09
WOODLAND HILLS AVENUE—			
Balance to credit January 1, 1882		324 81	
Receipts		235 23	
Balance			560 04
WOODLAND HILLS AVE. DAMAGES—			
Balance to credit, January 1, 1882		432 39	
Receipts		135 06	
Balance			567 45
WILLSON AVE. GRADING—From Broadway to N. Y. P. & O. R. R.			
Receipts		2,520 54	
Disbursements		2,377 62	
Balance			142 92
WATER WORKS FUND—			
Balance to credit January 1, 1882		66,038 70	
Receipts from H. C. Hawkins, Secretary	251 432 27		
" " sale of bonds	100,062 50		
	391,494 77		
Disbursements	353,268 70	41,773 98	
Balance			24,264 77
By Balance			26,788 03
			$349,375 11

Respectfully submitted,

S. T. EVERETT,

City Treasurer.

ANNUAL REPORT

OF THE

SINKING FUND

COMMISSIONERS

OF THE

CITY OF CLEVELAND,

FOR THE FISCAL YEAR ENDING DECEMBER 31, 1882.

REPORT

OF

SINKING FUND COMMISSSIONERS.

To the Honorable City Council of Cleveland:

The Sinking Fund Commissioners, in compliance with law, submit their report for the year 1882.

FIRST.

SINKING FUND OF 1862.

TWENTIETH ANNUAL REPORT.

The gross income for the year is	$ 91,464 74
The expense for the year is	650 00
Leaving the net income	$ 90,814 74

RECEIPTS.

1882.		
Jan'y 15	Quarterly dividend on $200,000 stock N. Y. C. R'y, 2 per cent	$ 4,000 00
Febr'y 1	Quarterly dividend on $330,000 stock on L. S. & M. R'y, 2 per cent	6,600 00
April 1	Semi-annual interest on $193,000 L. S. & M. S. R'y 7 per cent. bonds	6,755 00
	Semi-annual interest on $40,000 Cleveland City 7 per cent. bonds	1,400 00
	For amount of temporary loan	970 00
	For interest on same	14 55
" 15	Quarterly dividend on $200,000 stock N. Y. C. R'y, 2 per cent	4,000 00

May	1—Quarterly dividend on 330,000 stock L. S. & M. S. R'y, 2 per cent	6,600 00
June	1—Semi-annual interest on $52,000 L. S. & M. S. 7 per cent. bonds	1,820 00
	Semi-annual interest on $250,000 C. & N. W. R'y 7 per cent. bonds	8,750 00
	Semi-annual interest on $100,000 C. & A. Bridge Co. 7 per cent bonds	3,500 00
"	15—Semi-annual interest on $50,000 Valley R'y 7 per cent. bonds	1,750 00
July	1—Semi-annual interest on $1,000 J. & F. R'd 7 per cent. bonds	35 00
	For bond of Jamestown & Franklin R. R. matured.	1,000 00
"	17—Quarterly dividend on $200,000 stock N. Y. C. R'y, 2 per cent	4,000 00
August	1—Quarterly dividend on $330,000 stock L. S. & M, S. R'y, 2 per cent	6,600 00
"	24—For amount of temporary loan	3,190 00
"	31—For amount of temporary loan	3,729 08
Octob'r	2—Semi-annual interest on $193,000 L. S. & M. S. R'y, 7 per cent. bonds	6,755 00
	Semi-annual interest on $40,000 Cleveland City 7 per cent bonds	1,400 00
	For bonds L. S. & M. S. R'y matured	193,000 00
"	15—Quarterly dividend on $200,000 stock N. Y. C. R'y, 2 per cent	4,000 00
Nov'r	1—Quarterly dividend on $330,000 stock L. S. & M. S. R'y 2 per cent.	6,600 00
Dec'r	1—Semi-annual interest on $52,000 L. S. & M. S. R'y 7 per cent. bonds	1,820 00
	Semi-annual interest on $250,000 C. & N. W. R'y 7 per cent. bonds	8,750 00
	Semi-annual interest on $100,000 C. & A. Bridge Co. 7 per cent. bonds	3,500 00
"	15—Semi-annual interest on $50,000 Valley R'y 7 per cent. bonds	1,750 00
	Interest on deposits for the year	1,413 09
	Cash on hand January, 1882, as per report	35,879 02
		$329,580 74

CASH EXPENDITURES.

1882.		
June	14—Payment into City Treasury upon certificate of City Auditor	$ 33,664 21
July	14—Payment into City Treasury upon certificate of City Auditor	24,117 54
Aug.	24—Payment into City Treasury upon certificate of City Auditor	39,450 34
"	31—Payment into City Treasury upon certificate of City Auditor	3,729 08
Oct'r	2—Payment of temporary loans	6,919 08
	Interest on same	37 25
	Payment into City Treasury upon certificate of City Auditor	38,894 65
"	17—Payment into City Treasury upon certificate of City Auditor	31,020 10
"	24—For Cleveland City Notes, numbers 1 to 17	37,073 30
	For accrued interest on same	283 65
"	30—For Cleveland City notes, numbers 18 and 19	16,000 00
	Payment into City Treasury upon Certificate of City Auditor	26,487 48
Dec'r	19—Payment into City Treasury upon certificate of City Auditor	24,498 24
	For express charges on coupons to New York, for the year	27 00
	Expenses for the year	650 00
	Cash on Deposit, January 2, 1883	46,728 82
		$329,580 74

The following items constitute the Sinking Fund of 1862, January 2, 1883:

3,300 shares stock Lake Shore & Michigan Southern Railway, par value	$ 330,000 00
2,000 shares stock New York Central & Hudson River Railway, par value	200,000 00
Chicago & North-Western Railway 7 per cent. bonds, par value	250,000 00
Lake Shore & Michigan Southern Railway 7 per cent. bonds, par value	52,000 00
Chicago & Atchison Bridge Co. 7 per cent. bonds, par value	100,000 00
Valley Railway 7 per cent. bonds, par value	50,000 00
Cleveland City House of Correction 7 per cent. bonds par value	40,000 00
Cleveland City notes	53,073 30
Cash on deposit	46,728 82
Total	$1'121,802 12

LIABILITIES OF CLEVELAND CITY

PAID FROM THE SINKING FUND OF 1862.

Water Works bonds	$ 925,000 00
Other Cleveland City bonds	465,981 90
City's proportion of the cost of repaving streets in 1882	218,132 56
Total	$1,609,114 46

SECOND.

VIADUCT SINKING FUND.

FOURTH ANNUAL REPORT.

The income for the year is $26,607 07

CASH RECEIPTS.

1882.		
Jan'y 11	From City Treasurer	$ 77 75
April 1	Semi-annual dividend on $100,000 stock K. A. & G. R. R. 3 per cent.	3 000 00
" 19	From City Treasurer	2,313 13
June 1	Semi-annual interest on $25,000 Cin. & Ind. R'd 7 per cent. bonds	875 00
" 15	Semi-annual interest on $265,000 Valley R'y 7 per cent. bonds	9,275 00
Sept'r 8	From City Treasurer	2,081 50
Oct'r 2	Semi-annual dividend on $100,000 stock K. A. & G. R. R'd 3 per cent	3,000 00
	For temporary loans	6 919 08
	For interest on above loans	37 25
Dec'r 1	Semi-annual interest on $25,000 Cin. & Ind. Railroad 7 per cent. bonds	875 00
" 15	Semi-annual interest on $265,000 Valley Railway 7 per cent. bonds	9,275 00
	Interest on deposits for the year	285 87
	Cash on hand January, 1882, as per report	67
		$ 38,015 25

CASH EXPENDITURES.

April 1	Payment of temporary loan	$ 970 00
	Interest on same	14 55
Aug. 26	Payment of temporary loan	3,190 00
" 31	" " " "	3,729 08
	Express charges on coupons to New York for the year	1 50
	Cash on deposit January 2, 1883	30,110 12
		$ 38,015 25

The following items constitute the Viaduct Sinking Fund, January 2, 1883:

Valley Railway 7 per cent. bonds, par value	$265,000 00
Cin. & Ind. Railroad, 7 per cent. bonds, par value	25,000 00
1,000 shares stock Kalamazoo A. & G. R. Railroad, par value	100,000 00
Cash on deposit January 2, 1883	30,110 12
Total	$420,110 12

THIRD.

GENERAL SINKING FUND.

FOURTH ANNUAL REPORT.

The income for the year is ..... $ 794 91

CASH RECEIPTS.

1882.		
January 11	From City Treasurer	$ 791 71
April 19	" " "	53,479 12
Sept'r 8	" " "	41,954 49
Nov'r 9	" " "	5,592 46
	Interest on deposits for the year	794 91
	Cash on hand January, 1882, as per report	15,128 56
Total		$117,741 25

CASH EXPENDITURES.

1882.		
July 29	Paid City Treasurer to redeem city bonds due August 1	$ 69,400 00
Sept'r 9	Paid City Treasurer to redeem city bonds due August 1	30,600 00
15	Paid City Treasurer to redeem city bonds due September 1	3,250 00
Oct'r 30	Paid City Treasurer to redeem city bonds due November 1	6,000 00
Cash on deposit January 2, 1882		8,491 25
Total		$117,741 25

Assets General Sinking Fund January 2. 1883:—

Cash on deposit	$ 8,491 25

Respectfully submitted,

H. B. PAYNE,
W. BINGHAM,
CHARLES HICKOX,
J. H. WADE,
S. T. EVERETT,
Sinking Fund Commissioners.

CLEVELAND, January 2, 1883.

ANNUAL REPORT

OF THE

CITY CLERK

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DECEMBER 31, 1882.

CITY CLERK'S REPORT.

To the Honorable City Council:

GENTLEMEN—I herewith transmit a report of the business transacted in this department for the year ending December 31st, 1882.

LICENSES.

There have been issued during the year 6,946 licenses, for which $15,904 have been received and paid into the City Treasury, as follows:

To the credit of the General Fund,	$4,589 00
To the credit of the Infirmary Fund,	5,385 00
To the credit of the Police Fund,	4,780 00
To the credit of the Street Fund, -	835 00
To the credit of the Armory Fund,	315 00
Total, - -	$15,904 00

The following is an exhibit of licenses issued in each class, giving the number issued and amount received:

Class.	Number.	Amount.
Exhibitions	55	$ 656 00
Peddlers	1,234	5,385 00
Cabs, Carriages and Omnibusses	118	590 00
Street Cars	167	835 00
Drays, Carts and Wagons	446	1,190 00
Drivers	49	49 00
Pawnbrokers	15	714 00
Intelligence offices	5	50 00
Dogs	4,349	4,780 00
Ferries	1	10 00
Public Wharves	21	1,212 00
Newsboys and Bootblacks	472	118 00
Armory Hall	14	315 00
	6,946	15,904 00

The number of licenses issued each month during the year was as follows:

January,	186	July,	1,075
February,	276	August,	2,180
March,	229	September,	174
April,	244	October,	111
May,	456	November,	195
June,	1,669	December,	151

The permanent detail of one patrolman, charged with the enforcement of license enactments has been in a degree successful, but I am thoroughly satisfied that a very large number of persons evade entirely this class of ordinances, and I

am well assured that the city would be very largely the gainer, and that the license paying fraternity would be more justly and equally dealt with if two or three special license policemen were appointed and placed under the direct and exclusive control of this office. A laxity in the enforcement of ordinances of this character works a manifest injustice to those who honestly comply with the law.

STATIONERY, ETC.

The following is an exhibit of the cost of Blank Books and Stationery of every description furnished each department during the year.

Departments.	Blank Books.	Printing.	Paper and Envelopes.	Stationery Sundries	Litho-graphing.	Engineer's Supplies.	Total.
Mayor	.....	$ 412 02	$ 60	$ 20 17	85 00	.....	$ 517 79
Board of Improvements	$ 107 90	9 70	6 33	29 52	.....	.....	153 45
Fire Department	167 18	135 99	2 20	15 35	.....	.....	320 72
Police Department	135 31	259 60	50 11	78 81	22 25	.....	546 08
Police court	180 31	206 80	10 43	47 83	.....	.....	445 87
House of Refuge and Correction	102 14	115 98	23 34	16 88	.....	.....	258 34
Infirmary Department	181 29	24 60	10 80	28 86	.....	.....	245 55
Water Works	72 77	101 34	32 60	39 80	.....	.....	246 51
City Auditor	158 88	333 35	39 82	57 37	123 50	.....	712 92
City Treasurer	9 82	25 11	9 66	6 81	.....	.....	51 40
City Clerk	188 05	2,637 32	36 86	172 19	3 75	.....	2,988 17
City Solicitor	10 35	155 26	7 50	13 09	30 25	.....	216 45
City Civil Engineer	51 56	85 00	22 82	35 87	.....	91 54	286 79
Street Commissioner	55 64	1 40	8 29	25 35	.....	.....	90 68
Health Department	220 59	369 15	7 93	5 24	.....	.....	602 91

STATIONERY, ETC.—Continued.

Departments.	Blank Books.	Printing	Paper and Envelopes.	Stationery Sundries.	Litho-graphing.	Engineer's Supplies.	Total.
Cemetery Department	$ 55 76			$ 11 96			$ 67 72
Hay Weighers				35			35
City Sealer	13 40	2 40		9 51			25 31
Markets			1 08	2 40			3 48
Codifier	85	4 58	1 25	3 56			10 24
Board of Equalization	50						50
Total	$1,707 30	$4,879 60	$271 62	$570 12	$264 75	$91 54	$7,714 98

The system of procuring these supplies under a yearly contract has continued eminently satisfactory.

ANNUAL REPORTS.

The publication of the annual reports for 1881, cost in the aggregate $1,927 14, as follows:

Mayor's,	$395 66
Police Depurtment,	119 16
Fire Department,	100 26
Work House,	98 38
Water Works,	92 34
Health Department,	90 66
City Solicitor,	19 80
City Auditor, (including City Treasurer and Sinking Fund Commissioners,	203 24
Consolidated Volume,	807 64

The fact that the fiscal year terminates on the 31st day of December of each year enables the Departments to issue their reports at least four months prior to the commencement of the council year; i. e., the third week in April, at which time the Mayor's message is presented, and, under the present system the issuing of the consolidated volume is delayed in order to include His Honor's communication, the result being that the volume is not ready for distribution until June. Considering the purpose for which the publication is made and its cost, it would seem advisable to adopt some method whereby the volume could be issued much earlier. This might be effected by an ordinance providing that all Department reports should be published in a consolidated volume immediately after their presentation in January of each year, and that the annual message of His Honor, the

Mayor be published in a separate volume in April. This method if adopted would result in a saving of over forty per cent. in the cost of the work.

ADVERTISING.

The cost of all advertising during the year as charged to the several departments has been as follows:

DEPARTMENTS.	AMOUNT.
Mayor	478 35
City Clerk	6,342 01
City Auditor	189 11
City Solicitor	45 13
City Treasurer	.....
City Civil Engineer	1,481 17
Board of Improvements	694 54
Water Works	63 07
Cemetery	66 12
Police Department	68 95
Fire Department	58 12
Park Department	2 00
Infirmary Department	73 58
Health Department	41 94
Workhouse and House of Correction	44 21
Markets	3 20
Total	9,641 50

The unusual activity in street improvements during the past year has occasioned the large expenditures charged to this department.

THE REVISED ORDINANCES.

On the 19th day of December, 1881, a resolution of the City Council authorized a revision of the ordinances. After a vexatious delay, assurance is given that the edition of one thousand copies will be issued at an early day. I have prepared, and will have bound in a volume, properly indexed, all ordinances passed since the passage of the new revision; with a similar volume issued semi-annually hereafter, the difficulty of ascertaining the law which has heretofore obtained will be removed.

INDEXING.

The work of indexing the Records has been progressed with as rapidly as possible, and will, when completed, constitute an invaluable epitome of municipal history.

Respectfully submitted.

W. H. ECKMAN, *City Clerk.*

ANNUAL REPORT

OF THE

CITY SOLICITOR

OF THE

CITY OF CLEVELAND, OHIO.

FOR THE

YEAR ENDING DECEMBER 31, 1882.

CITY SOLICITOR'S REPORT.

To the Honorable City Council:

GENTLEMEN — I herewith submit my report for the year ending December 31st, 1882. The following tables disclose the litigation in which the city has been and now is involved, and the disposition of the cases finally determined. In addition to the litigated business of the city, there has devolved upon this department a large amount of labor during the past year in the way of investigating and reporting upon matters referred by the Council, the various Boards, and city officers. This branch of the business has considerably increased over former years, owing to the improvements that have been made and entered upon by the city. The result of the city's litigation during the past year is quite satisfactory, and reflects credit upon my assistants, Mr. W. E. Sherwood and H. C. Bunts, who have discharged the duties assigned them in a very satisfactory manner.

Respectfully submitted,

GEO. S. KAIN,
City Solicitor.

Report of the city's litigation for the year ending December 31, 1882:

CASES PENDING JANUARY 1, 1882.

In the Supreme Court of the State	9
" " District Court of Cuyahoga county	21
" " Common Pleas Court	150
" " United States Circuit Court	4
" " Probate and Magistrates' Courts	2
Total	186

CASES COMMENCED DURING THE YEAR 1882.

In the Supreme Court of the State	5
" " District Court of Cuyahoga county	12
" " Common Pleas Court	37
" " United States Circuit Court	0
" " Probate and Magsitrates' Courts	28
Total	82

CASES DISPOSED OF DURING THE YEAR 1882.

In the Supreme Court of the State	0
" " District Court of Cuyahoga county	17
" " Common Pleas Court	45
" " United States Circuit Court	0
" " Probate and Magistrates' Courts	30
Total	92

CASES PENDING JANUARY 1, 1883.

In the Supreme Court of the State	14
" " District Court of Cuyahoga county	16
" " Common Pleas Court	142
" " Circuit Court of the United States	4
" " Probate and Magistrates' Courts	0
Total	176

Of the cases pending on the 1st day of January, 1882, one hundred and seven (107) were suits, including those for back taxes, in which money compensation was claimed for

injuries to property and person through the alleged fault of the city. The amount claimed in these cases was distributed as follows:

In 97 cases for injury to property, the amount claimed was	$258,083 41
In 10 cases for injury to persons, the amount claimed was	107,055 00
Total	$365,138 41

Of the cases commenced during the year 1882, thirty-seven (37) were suits, including those for back taxes, in which money compensation was claimed for injuries to property and person through the alleged fault of the city. The amount claimed in these cases was as follows:

In 35 cases for injury to property, the amount claimed was	$138,260 87
In 2 cases for injury to person, the amount claimed was	10,000 00
Total	$148,260 87

The total amount of damages claimed for injury to the property and person of litigants through the alleged fault of the city, in cases pending on the first day of January, 1882, and commenced during said year, is as follows, to-wit:

In 132 cases for injury to property, the amount claimed was	$396,344 28
In 12 cases for injury to person, the amount claimed was	117,055 00
Total	$513,399 28

SUITS FOR THE CITY.

The number of cases pending on the first day of January, 1882, and commenced during said year, brought by the city, was twenty-one. The amount claimed in these cases was $89,816.01.

SUITS TO RECOVER BACK TAXES AND ASSESSMENTS.

There were pending, on the first day of January, 1882, and commenced during the year, seventy-five cases against

the present and former County Treasurers to recover back taxes and assessments, collected by them for the city, involving the following amounts :

In 67 cases pending January 1, 1882	$12,397 91
In 8 cases commenced during 1882	5,406 40
Total	$17,804 31

Of the said seventy-five cases, seven were disposed of during the year 1882. The amount claimed in these cases was $2,877.22 ; the amount recovered was nothing.

AMOUNT SOUGHT TO BE RECOVERED IN CASES AGAINST AND FOR THE CITY.

The amount sought to be recovered in various suits for and against the city, pending January 1, 1882, and commenced during that year, exclusive of injunction suits to restrain the collection of taxes and special assessments levied by the city, ejectment suits wherein only real property was sought to be recovered, and other suits wherein no pecuniary compensation is demanded, is as follows :

IN CASES PENDING JANUARY 1, 1882.

Against the city	$365,138 41	
For the city	80,292 53	
Total		$445,430 94

IN CASES COMMENCED DURING 1882.

Against the city	$148,260 87	
For the city	9,523 48	
Total		$157,784.35
Total amount sought to be recovered		$603,215 29

ANALYSIS OF CASES DISPOSED OF DURING THE YEAR 1882.

The following named cases embrace all cases disposed of during the year 1882, in which damages were sought to be recovered for injuries to the property and person of the complainants through the alleged fault of the city.

These cases do not include suits for back taxes, and are eighteen in number.

AMOUNT CLAIMED IN THE ABOVE DISPOSED OF CASES.

In 13 cases for damage to property	$61,028 76
In 5 cases for damage to person	90,000 00
Total amount claimed	$151,028 76
Amount recovered for damage to property	$8,721 69
Amount recovered for damage to person	205 00
Total amount recovered	$8,926 69

The amount thus recovered was distributed through six cases, as follows:

Title of Case.	Amount Claimed.	Amount Recovered.
Hittell vs. City	$15,960 11	$2,000 00
Jewett, et al vs. City	6,333 35	6,333 35
Powers, vs. City (by settlement)	10,000 00	200 00
Hecker, vs. City, " "	1,546 66	328 34
Cunnington vs. Lohrer	50,000 00	5 00
Castle vs. City (by settlement)	152 32	60 00
Total	$83,992 44	$8,926 69

The above cases of Hittell vs. the City and Jewett et al. vs. the City, have been taken to the District Court on error, with the view of reversing the judgments of the Court of Common Pleas.

SPECIAL MENTION.

A BRIEF STATEMENT SHOWING THE NATURE OF SOME OF THE CASES DISPOSED OF DURING THE PAST YEAR IS HERE GIVEN.

The case of C. P. Jewett et al., County Commissioners, vs. The Board of Work House Directors and The City of Cleveland, arose out of the following facts and circumstances, to-wit: During the years 1879, 1880 and 1881 divers persons were convicted in the various courts of this county of offenses under the laws of the State, and sentenced to pay a fine, or fine and costs, and on default of payment, committed to the Work House until paid. During the time above referred to, there was collected from persons so committed, by the Work House authorities, the sum of $6,333.35, said sum being composed of fines and costs, so as aforesaid imposed, in State cases. This amount so collected was paid into the City Treasury. The County Commissioners seek, in this action, to recover the same from the city, claiming that by virtue of the statutes of the State the money belongs to the county. The Court of Common Pleas awarded judgment in favor of the said plaintiffs. The city has taken the case to the District Court, where the matter is now pending.

HITTELL VS. THE CITY OF CLEVELAND.

The city some years since opened and extended Grand avenue. In improving this street according to the established grade, a large amount of filling was required to be done. The embankments, or lateral walls, thus erected extended over and covered a considerable portion of plaintiff's lands. In this he claims he was damaged to the extent of

$15,960.11, and at the trial in the Common Please Court recovered a verdict for $2,000 damages. Defendant has taken the case to the District Court, where it is now pending.

The case of The City vs. Geo. G. Minor et al., was an action brought by the city against Minor and his bondsmen in the Common Pleas Court to recover the sum of $2,782.43, which came into his hands as Secretary of the Board of Police Commissioners, and which he failed to account for to the city on the termination of his office. His bondsmen interposed the defense that it was no part of his duty as Secretary to have the custody of any money, and that the Board could not legally impose such duty upon him. The court decided that he had been entrusted by the Board with certain monies, the custody of which had been made a part of his duty; and that the Board had a legal right to impose such duty upon him; and that his bondsmen were liable in the sum of $2,822, for which the court rendered judgment. The defendants have taken the case to the District Court on error, where it is now pending.

NATURE OF CASES DISPOSED OF DURING THE YEAR ENDING JANUARY 1, 1883.

Actions to recover back assessments	11
Actions to enjoin collection of assessments	4
Proceedings in foreclosure	7
Actions for damage to property	7
Actions for damage to person	2
Suits to recover on awards	4
Actions for breach of contract	3
Suits on bond	3
Actions for extra services	3
Actions for false imprisonment	4
Actions where city was garnishee	18
Proceedings on writ of mandamus	1
Error cases from Police Court	2
Actions for rent	3
Partition proceedings	1
Suit to set aside tax sale	1
Action to recover wages	1
Actions to collect assessments	2
Actions by city to recover paving tax from Street Rail Road Co	2
Injunction in Street Rail Road matters	2
Action to recover real estate	1
Action to recover fines, etc	1
Action to recover for support of paupers	2
Proceeding in aid of execution	1
Actions for assault and battery	2
Action on attested account	1
Total	92

NATURE OF CASES PENDING JANUARY 1, 1883.

Actions to recover back assessments	68
Actions to enjoin collection of assessments	50
Actions to collect assessments	5
Damage cases for injury to property	13
Damage cases for injury to person	3
Foreclosure proceedings	5
Actions for false imprisonment	4
Error cases from Police Court	2
Suits on awards	4
Proceeding to acquire right of way by R. R. Co	1
Action to set aside tax sale	1
Proceedings in partition	1
Suit on bond	1
Suit on attested account	1
Suit for equitable relief	1
Actions to recover paving tax from Street Rail Road Co	2
Action in replevin	1
Suit in ejectment	1
Action to recover for extra work	1
Action to recover salaries	2
Action on tax title	1
Suit to subject lands	1
Action for dockage	1
Actions on breach of contracts	2
Actions where city is garnishee	2
Action relating to patented pavement	1
Action to subject money in hands of city	1
Total number of cases pending January 1, 1883	176

A GENERAL STATEMENT SHOWING THE EXTENT AND INCREASE OF THE CITY'S LITIGATION DURING THE PAST TWELVE YEARS.

	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882
Cases pending at the beginning of the year	35	17	37	81	90	99	114	154	155	225	227	186
Cases commenced during the year	28	59	90	79	96	109	125	98	240	105	80	82
Cases pending at the beginning of and commenced during the year	63	76	127	160	186	208	239	252	395	330	307	268
Cases disposed of during the year	46	39	46	70	87	94	85	97	170	108	122	92
Cases pending at the end of the year	17	37	81	90	99	114	154	155	225	227	185	176

ANNUAL REPORT

OF THE

CITY CIVIL ENGINEER,

OF THE

CITY OF CLEVELAND, OHIO,

FOR THE

YEAR ENDING DECEMBER 31, 1882.

REPORT

OF THE

CITY CIVIL ENGINEER.

To the Honorable Board af Improvements:

GENTLEMEN — I respectfully submit the annual report of the City Civil Engineer's Department for the year ending December 31, 1882.

The total cost of work done under the direction of this Department during the year is $568,281.15. This amount does not include the cost of repairs and maintenance of City bridges, which, for the past year, amounts to $6,424.06, or a total of $574,705.21.

One new bridge over the railway tracks to the bath-house at the foot of Erie street, has been built, also a new stone abutment to the canal bridge above the paper mills, near the southerly limits of the city. Lower Central Way and Jefferson street bridges have been damaged by being run into by vessels. Aside from the above nothing out of ordinary repairs have been made on the bridges.

The Viaduct draw is in good condition, especially the machinery and the turn-table, and bid fair to wear a long time without renewal. On some of the other bridges considerable repairing will have to be done to the stone abutments during the coming year.

SEWERS.

Sewer district maps have been made for Walworth Run, embracing all the territory drained by that stream, also for the greater part of East Cleveland; and surveys have been made of a part of the Fourteenth, Fifteenth and Eighteenth wards for an intercepting sewer, which will be a continuation of the main sewer from the lake for East Cleveland, or the territory east of District No. 7. The sewer will commence at Lake Erie and run through Madison avenue to Holton street, thence to Chadwick, thence to Atlantic, thence to Madison avenue, thence to Axtell avenue, thence to Groton street, crossing Broadway at its intersection with Fullerton street, thence through Fullerton, Wilcox, Canton, Elmwood and Indiana streets and the Brecksville road to the city limits. This sewer is designed to carry all the sewage east of it, in the Fourteenth, Fifteenth and Eighteenth wards, but not the storm water also, except the territory drained by Mill Creek. The sewage from the Northern Ohio Hospital for the Insane can be run into the sewer in Broadway by an inverted syphon. That part of this proposed sewer south of Woodland avenue, it is proposed to build as an intercepting sewer of sufficient size only to carry off the house drainage for the territory that is tributary to it. There is also a branch sewer to be built in Euclid avenue, each way from the point where the main sewer crosses the avenue, from near Giddings Brook easterly to Fairmount street. East of this street it is proposed to construct an iron syphon running to near Adelbert street, there intersecting the old sewer now in the avenue. This syphon will enable people living on the line of the old sewer, as well as the colleges, to use it for house sewage purposes, which cannot be done at present, as

the old sewer now has its outfall into Doan Brook. The outfall of this proposed sewer in Euclid avenue is not yet determined, a plan has been made to connect it with the Dunham avenue branch of the Willson avenue main, and use that for eight or ten years, or until the East Cleveland District should decide to build a main sewer up from the lake, but this plan has met with some opposition from the fact that, while under present laws the city could build and connect this sewer in Euclid avenue with the Dunham avenue branch, there is no way provided by which to pay District No. 7 for the use of a portion of its sewers.

Plans for a large number of small branch sewers in different parts of the city have been adopted, and the tax assessed for a part of them in advance of their construction. This way of making improvements creates a great deal of dissatisfaction, as the Engineer has to make an approximate estimate of the cost of the work as a basis on which to assess the tax, which is so much per foot of taxable frontage on each side of the street, and on most all streets a part of the corner lots are exempted, they having already paid a sewer tax, so that all evemptions and street intersections have to be charged back upon the other lots; this, together with the catch basins, house connection pieces, man and flushing holes, superintendents, removing surplus material, advertising, etc., runs up the assessment much above what it would cost to build a single foot of sewer. The Engineer, in making estimates in advance of the work being done, from twelve to eighteen months, cannot know what the price of labor and materials will be at the time the work is done. The basis is generally on what work has been done for the year previous, with a small per cent. added for contingencies, so that when the work is advertised and bids received there will be money enough to do it. If there should not be enough, an additional tax would have to be levied to make

up the deficiency. For this reason estimates are made high enough to cover all contingencies, and when the work is completed the surplus will have to be paid back to the tax-payers. On the sewer in Vine and Burnham streets, built this year under contract by the city, a surplus is left of eleven cents on Vine street and nineteen on Burnham street per foot front, which will, in due time, be returned to those who paid it. It is the uncertainty as to what the sewer will cost, when the tax is levied before the work is done, that causes dissatisfaction.

April 1st, 1882, the City Council adopted a resolution authorizing a special committee to employ a consulting sewerage Engineer to look over the city and recommend a plan for a sewerage system and extensions of the present plans.

A special committee was authorized, consisting of His Honor, Mayor Herrick; John Whitelaw, Engineer of the Water Works, and the City Civil Engineer. This committee secured the services of Mr. Rudolph Hering, C. E. of Philadelphia, who spent about two weeks' time here in looking over the city, and made a report which was submitted to the City Council June 26, 1882, which report is too long to be admitted here. Mr. Hering looked the ground over as thoroughly as time would permit, and suggested a general plan for main and intercepting sewers for the city, which I think approximates closely to what will be adopted should the city prosper and increase in populatton as rapidly as it has for the last few years. However, time may suggest some changes from the plans of Mr. Hering.

DREDGING.

Considerable dredging has been done during the past year, and boats drawing thirteen and a half feet of water have passed up with iron ore as far as the new furnaces of the Cleveland Rolling Mill Company, just below the draw-bridge of the N. Y., P. & O. Ry. The water in the lake and river was very high during the entire season, averaging as much as ten or twelve inches above what it was the year previous. If it had not been for this unusual height of water very much more dredging would had to have been done to accommodate the business on the river.

PAVEMENTS.

There has been 7 .688-1000 miles of streets paved and re-paved during the past year, as shown by table No. 2 accompanying this report. Of this amount, 876-1000 miles were laid with dressed stone, and contracts have been made to pave with the same materials Euclid avenue, from Perry street to Fairmount street. All other streets have been paved with common or wet stone pavement, and have been done in a substantial manner. There may have been some settlement in places where water pipes have been lowered or laid, or over sewer or gas pipe trenches, as it has been almost impossible to thoroughly reach every point, when so many trenches have been opened as there were last year. There are also some places in the street railway tracks where the water stands, which will be drawn off by openings into the sewers.

The block stone pavement seems to be growing in public favor notwithstanding that it costs one-third more than the common stone pavement. Much more has been accomplished in repaving streets during the past season than was expected, but it is a good thing that the work is done, as the

public will be relieved from traveling over the old wood pavement.

Broadway from top of hill to Union street, St. Clair from Erie street to Willson avenue, and Euclid avenue from Perry street to Fairmount street, are in very bad condition. The first two named are not under contract. When these streets are repaved the greater part of the old wood pavements will be out of the way, and the tax-payers of the present generation will not not be called upon for another paving tax where stone has been used.

A large amount of work has been done in looking up the records, in preparing frontage and ownership maps of all streets improved by the city, compiling records of city property, examining and reporting on petitions and remonstrances, and on the valuation of property to see whether the cost of the proposed improvements will exceed twenty-five per cent. of the valuation of the property as listed on the tax duplicate, examining and reporting on all new allotments, plats or street dedications, making surveys and maps for house numbering, etc.

There are now employed eleven assistants, an increase of four since last year, one at $60, one at $50, and two at $40 per month.

The accompanying tables exhibit in detail a part of the work done by the Department during the past year.

B. F. MORSE.
City Civil Engineer.

TABLE No. 1.

STREETS UPON WHICH LEVELS HAVE BEEN RUN OR CROSS SECTIONS TAKEN.

Name of Street.	From.	To.	Length.	Work Done.
Alley, south of Franklin	Franklin Circle	Westerly	512	C. S
" north of St. Clair	Rose alley	Easterly	92	C. S.
" " " "	Kirtland street	Belden street	704	Levels.
Aust	Pearl street	Hanover street	539	C. S.
Arch	Burwell street	Croton street	250	C. S.
Alum	Lorain street	Clark avenue	2,044	C. S.
Asylum	St. Clair street	Superior street	1,157	Levels
Brooker	Quincy street	Cedar avenue	2,430	C. S
Beech	Garden street	Scovill avenue	1,387	C. S.
Brenton	" "	Cedar avenue	1,467	Levels.
Belden	St. Clair street	Lake street	1,011	C. S.
Clinton	Liberty street	Taylor street	621	C. S.
Canton	Broadway	Brecksville road	1,389	C. S.
Church	Pearl street	Duane street	1,620	Levels.
Dickerman	Kinsman street	Valley street	1,366	"

TABLE NO. 1—Continued.

Name of Street.	From.	To.	Length.	Work Done.
Detroit	Old to new city limits		1,178	C. S.
Duane	Detroit street	Franklin street	826	Levels.
Deering	Fairmount street	Fence line	861	"
Dexter Place	Clinton street	Franklin circle	386	"
Erin avenue	Rhodes avenue	Pollock street	806	C. S.
Euclid avenue	Case avenue	Willson avenue	1,609	Levels.
Empress	Fillmore street	Barber avenue	998	"
Elton	Chestnut Ridge	Westerly	1,142	C. S.
Fulton Court	Fulton street	Franklin Place	398	C. S
Fillmore	Pearl street	Talcott street	558	Levels.
Fountain	Clark avenue	Train street	776	C. S.
Glendale	Cedar avenue	C. & P. R. R	703	Levels.
Gaylord	Woodland Hills avenue	C. V R. R	2,175	"
Hanover	Detroit street	Franklin Circle	974	"
"	" "	Washington street	433	C. S.

TABLE No. 1—Continued.

Name of Street.	From.	To.	Length.	Work Done.
Hayward	Prospect street	Cedar avenue	885	Levels.
Hamilton	Case avenue	Kirtland street	1,728	C. S.
Howe	Ontario street	Westerly	406	Levels.
Highland avenue	Fairmount street	Stearns street	908	"
Kirtland	St. Clair street	Lake street	1,010	C. S.
Lawn	Gordon avenue	City limits	1,650	C. S.
Lisbon	Woodland avenue	Southerly	877	C. S.
Lake	Kirtland street	Westerly	408	Levels.
"	" "	Marquette street	1,868	C. S.
Marquette	St. Clair street	L. S. & M. S. R. R.	1,428	C. S.
Mayflower street extension	Croton street	South	350	Levels.
North Woodland avenue	Woodland Hills avenue	Woodland avenue	3,628	C. S.
Nicola	Kinsman street	Beaver street	514	Levels.
Ohio	Central Place	Central Way	1,057	"
Payne avenue	Superior street	Huntington street	2,112	C. S.

TABLE No 1.—Continued.

Name of Street.	From.	To.	Length.	Work Done.
Platt	Madison avenue	C. & P. R. R	807	C. S.
Professor	Starkweather avenue	Pelton avenue	2,221	C. S.
Proposed street	Davies street	Humboldt street	1,461	Levels.
Queen	Pearl street	Fence line	626	"
Rose alley	St Clair street	Northerly	196	C. S.
Russell avenue	Superior street	Beecher avenue	2,389	C. S.
Railroad	Glendale street	C. & P. R. R	445	C. S.
Sibley	Hayward Street	Kennard street	1,984	C. S.
Smith avenue	Broadway	Northerly	482	C. S.
Superior	Water street	Monumental Square	1,329	C. S.
State	Washington street	Franklin street	1,454	C. S.
Stearns	Cedar avenue	Euclid avenue	2,059	C. S.
Talcott	Fillmore street	Fence line	249	Levels.
Vermont	State street	Viaduct	1,435	C. S.
Wall	Detroit street	Church street	872	C. S.

TABLE No. 1—Continued.

Name of Street.	From.	To.	Length.	Work Done.
Waverly avenue	Detroit street	L. S. & M. S. R. R	2,281	C. S.
Walworth Run	Burton street	South of Clarke avenue	6,352	Levels.
Wadsworth	Croton street	Southerly	242	"
Total Feet			75,550	
Total Miles			14 $\frac{31}{100}$	

TABLE No. 2.

LIST OF STREETS PAVED OR REPAVED DURING 1882.

Name of Street.	From Street.	To Street.	How Improved.	Length in feet.	Cost	Contractors.
Broadway	Independence	900 feet easterly	Repaved	900	$ 8,595 77	Brennan & McCarty.
"	W. L. Ohio.	W. L. Broadway	"	3,664	49,151 73	Delamater & Claflen.
Bank	Superior	289 feet N of Lake	"	1,622	29,397 46	" "
*Case avenue	Euclid	Garden	Paved		2,252 43	Alex. Campbell.
Detroit	Old to New	City Limits	"	1,178.5	12,765 11	" "
"	198 feet E. of Pearl	Kentucky	Repaved	2,604.1	26,886 77	" "
†Euclid avenue	and Erie street in-	tersection.	"	102	1,046 36	" "
Euclid avenue	Case	Willson	"		3,920 47	Delamater & Claflen.
Erie	Lake	Woodland	"	4,714	37,705 33	" "
Frankfort	Bank	Seneca	"	451.4	404 05	J. L. Sterling.
Krupp alley	Lorain	Mason alley	Paved	257.6	640 22	" "
†Lorain	Pearl	Waverly	Repaved	2,123	10,701 94	Jas. Howells
Monumental Square	South and West	Sides of	"	692	10,524 03	Delamater & Claflen.
Pearl	N. L. Willey	S. L. Monroe	"	3,118	3,532 49	A. W. Brainard.
"	Detroit	Willey	"	3,761.9	43,825 21	Jas. Howells.

TABLE No. 2—Continued.

LIST OF STREETS PAVED OR REPAVED DURING 1882.

Name of Street.	From Street.	To Street.	How Improved.	Length in feet.	Cost.	Contractors.
Perry and Payne avenue in-	tersection		Paved		1,981 11	Albion Medina Stone Co.
Perry	Euclid	Superior	"	2,060	18,084 28	Property Owners.
Prospect	Perry	E. L. Sterling	Repaved	1,988.6	24,368 14	Delamater & Clafien.
"	E. L. Sterling	E. L. Case	"	2,689	30,457 47	Delamater & Clafien.
Superior	W. L. Water	Mon. Square	"	1,499	21,398 00	Brennan & McCarty.
†Superior	Erie	E. L. Perry	"		4,150 25	Delamater & Clafien.
Seneca	Superior	St. Clair	"	624.3	10,953 85	" "
Woodland avenue	W. L. Ohio	E. L. Perry	"	2,709.5	37,358 08	Jas Howells
" "	E. L. Perry	Willson avenue	"	6,690	95,876 04	Delamater & Clafien.
				40,592.5	$485,926 59	

7.$\frac{888}{1000}$ miles.

*Amount of work done in year 1882.

†Not completed.

TABLE No. 3.

STREETS GRADED, GRAVELED AND CURBED DURING 1882.

Name of Street.	From.	To.	How Improved.	Length feet.	Cost.	Contractor.
Asylum	St. Clair street	Superior street	Graded	1,157	$ 311 00	Property owners.
Alley	Belden street	Kirtland street	"	704	119 76	" "
Belden	St. Clair street	Lake street	"	1,011	814 32	" "
Beech	Garden street	Scovill avenue	Gr'd & Crb'd	1,387	913 30	" "
Brenton	" "	Cedar avenue.	" "	1,467	628 12	" "
Clarke avenue	Pearl street	Chestnut Ridge	Cindered	9,918	3,076 50	D. A. O'Neil.
Clinton	Taylor street	Liberty street	Grad'd graveled & curb'd	825	1,119 63	M. O'Donnell.
East Madison avenue	N. Y. C. & St. L. R. R.	Holton avenue	Graded	1,360	906 60	Property owners.
Fillmore	Pearl street	Empress street	"	262	50 00	" "
Hamilton	Case avenue	Kirtland street	"	1,739	520 73	" "
Holton avenue	Herald street	Easterly	"	722	267 40	" "
Kirtland	St. Clair street	Lake street	"	1,011	640 89	" "
Lake	Marquette street	Belden street	"	2,825	1,625 69	" "
Marquette	St. Clair street	L. S. & M. S. R. R.	"	1,423	1,382 94	" "
Osborn	Garden street	Scovill avenue	Curbed	1,276	242 44	" "

TABLE No. 3—Continued.

Name of Street.	From.	To.	How Improved.	Length feet.	Cost.	Contractor.
Payne avenue (not compl'd)	Superior street	Perry street	Gr'd & Crb'd	2,112	$4,146 03	M. O'Donnell.
Platt	East Madison avenue	C. & P. R. R	Graded	785	121 70	Property owners.
Professor	Starkweather avenue	Pelton street	"	2,221	511 40	" "
Summit	Seneca street	Erie street	Curbed	2,185	2,128 79	M E. Kavanaugh.
Sibley	Case avenue	Kennard street	"	621	311 44	" "
"	" "	Hayward street	Gr'd & Crb'd	1,257	1,094 80	M. O'Donnell.
Slater avenue	Woodland avenue	Southerly	" "	825	430 00	Property owners.
Vega avenue	Pearl street	Rhodes avenue	Cindered	2,232	549 66	D A. O'Neil.
Willson avenue	Broadway	N. Y. P. & O. R. R	Graded	1,876	1,841 46	Property owners.
Total				41,201	$23,754 60	
Total miles				$7\frac{1}{10}$		

TABLE No. 4.

MISCELLANEOUS IMPROVEMENTS.

Name.	How Improved.	Cost.	Contractor.
Armory	Heating apparatus	$ 2,477 30	C. Hart.
Atlantic street	Rebuilding sewer	281 70	George Dennon.
Bond street	Repairing concrete pavement	45 00	Columbus Paving Company.
Central Market House	Painted	1,748 00	A. & W. Kyle.
Canal bridge, near Burk brook	Repairs	546 50	E. S. Doolittle.
Cuyahoga river	Dredging	28,439 28	E. & J. Sims L. P. & J. A. Smith.
Doan brook culvert	Repaired	66 00	E. S. Doolittle.
Dock near British street	Driving and drawing piles	327 90	George Gloyd.
Erie street bridge	Masonry	425 00	Gawnee & Sons.
" " "	Iron bridge	2,890 00	King Bridge Company.
" " "	Timber	249 78	Sturtevant & Co.
Hay Market	New scales	200 00	Fairbanks, Morse & Co.
Independence street	Culvert	239 12	E. S. Doolittle.
Lower Central Way bridge	Protection piling	105 00	C. J. Engle.
Lake street	Repairing concrete pavement	400 00	Columbus Paving Co.

TABLE No. 4—Continued.

Name.	How Improved.	Cost.	Contractor.
Miles avenue	Culvert	59 00	E. S. Doolittle.
Market street	Repairing pavement	99 68	Jas. Howells.
Oratorium	Construction of	5,140 00	J. Barclay.
Prospect street	Repairing concrete pavement	120 00	Columbus Paving Co.
Seneca street bridge	Retaining wall	117 90	J. Garnee & Sons.
" "	Repairing concrete pavement	175 00	Columbus Paving Co.
Sawyer street	Culvert	469 00	E. S. Doolittle.
Scranton avenue	"	484 27	Wood Bros.
Sprinkling Viaduct, market grounds, etc	Market grounds, etc	1,730 69	Craig, O'Neil Thoman & Costello
Sidewalks	Flagged	106 68	J. Gasney.
West Side Market House	Painting	875 00	Jordan & Koch.
Willow street bridge	Protection piling	68 70	C. J. Engle
Total		$47,881 50	

TABLE No. 5.

STREET IMPROVEMENTS UNDER CONTRACT AND INCOMPLETE.

Name of Street.	From Street.	To Street.	How Improvee.	Length in Feet.	Aproximate Cost to Complete.	Contractor.
Euclid avenue.....	West line Perry.....	E. L. Case avenue....	Repaved.....	4,686	$ 66,952 00	A. Campbell & Sons.
" "	East line Case avenue....	" Willson avenue.	"	1,609	17,682 00	Delamater & Claflen.
" "	" " Willson avenue	" Fairmount St...	"	10,638	183,750 00	" "
Lorain street	Pearl street.....	W. L. Waverly ave...	"	4,598	10,000 00	James Howells.
Payne avenue	Superior street.....	Huntington street ...	Grading & Curb'g	.....	500 00	M. O'Donnell.
Superior street.....	Erie street.....	E. L. Perry street. ..	Repaved..... ...	3,253	8,500 00	Delamater & Claflen.
Total				29,014	$237,384 00	
Total Miles.....				5 $\frac{484}{1000}$		

TABLE No. 6.

STREET IMPROVEMENTS FOR WHICH APPROXIMATE ESTIMATES HAVE BEEN MADE IN ORDER TO ASSESS THE TAX.

Name of Street.	From.	To.	Proposed Improvement.	Approxim'te Cost.
Alum	Lorain street	Clark avenue	Grade	$ 2,736 24
Arlington	Garden street	Northerly	Grade, curb & sewer	752 42
Aust	Pearl street	Hanover street	Grade	90 17
Blanche	Randolph street	Weckerling street	"	546 62
Bright	St. Clair street	Lake street	Grade and curb	520 00
Burwell	Case avenue	Weesterly	Grade	742 23
Broadway	900 feet east of Independence st.	Mead avenue	Repave	31,846 59
Classen	Brecksville Road	Bissell avenue	Grade, curb & cinder	1,879 60
Canton	Broadway	Brecksville road	Grade	1,529 80
Cross	"	Woodland avenue	Pave	4,772 95
Cross street, intersection at	"		"	2,150 47
Colgate	Gordon avenue	Limits	Grade	695 04
Carried forward				

TABLE No. 6—Continued.

Name of Street.	From.	To.	Proposed Improvement.	Approxim'te Cost.
Brought forward				$
Church	Pearl street	State street	Grade and curb	2,000 00
Duane	Detroit street	Franklin street	Gr'd, c'rb & p've gut'rs	2,582 07
Detroit street widening	Top of hill	Kentucky street	Pave	3,815 15
Dercum	Willey street	Jones street	Grade, pave & cinder	1,260 50
Erin avenue	Rhodes avenue	Pollock street	Grade	5,654 00
Euclid avenue	Perry street	Case avenue	Repave	86,645 76
" "	Case avenue	Willson avenue	"	24,309 63
" "	Willson avenue	Fairmount street	"	144,930 62
Franklin Place			Gr'd, c'rb & p've g'tt'rs	995 51
" "			Pave	5,421 57
Guy	Petrie street	Weckerling street	Grade	211 20
Goethe	Hamm street	Blanche street	"	286 31
Carried forward				

TABLE No. 6—Continued.

Name of street.	From.	To.	Proposed Improvement.	Approxim'te Cost.
Brought forward				$
Granger	Garden street	Prospect street	Pave	11,190 30
"	" "	" "	Grade and curb	723 05
Hickory	Division street	Old river	Grade	2,438 00
Hartford	Clark avenue	Stover street	"	425 40
Hamm	Broadway	Petrie street	"	445 97
Howe	Ontario street	Westerly	Pave	2,213 36
Hanover	Detroit street	Washington street	Gr'de, c'rb, p've g'tt'rs	800 00
Henry	Scovill avenue	Woodland avenue	Curb	565 65
Kentucky	Detroit street	Franklin street	Pave	7,025 69
"	Franklin street	Bridge street	Grade and curb	3,220 38
Lisbon	Woodland avenue	Southerly	Grade	500 72
Lawn	Gordon avenue	Limits	"	484 30
Carried forward				

TABLE No. 6—Continued.

Name of Street.	From.	To.	Proposed Improvement.	Approxim'te Cost.
Brought forward				$
Lorain	Pearl street	Waverly avenue	Pave	25,411 69
N. Woodland	Woodland avenue	Congress street	Grade and culvert	1,057 58
Noble	Seneca street	Ontario street	Pave	2,793 99
Ontario	St. Clair street	Rockwell street	Repave	2,624 98
Professor	Pelton avenue	Starkweather avenue	Grade	1,275 00
Prospect	Sterling avenue	Case avenue	Pave	36,103 08
Randolph	Dolloff street	Blanche street	Grade	151 50
Russell avenue	Superior street	Beecher street	"	1,045 08
St. Clair	Erie street	Canfield street	Repave	9,674 78
" "	Canfield street	Willson avenue	"	75,554 97
Superior	Madison avenue	Ansel street	Cinder	2,861 78
"	Perry street	Willson avenue	Grade and curb	5,465 46
Carried forward				

TABLE No. 6—Continued.

Name of Street.	From.	To.	Proposed Improvement.	Approxim'te Cost.
Brought forward				$
State	Detroit street	Franklin street	Gr'd, gr'vl c'rb&gutt'r	2,500 00
South alley	Canfield street	Muirson street	Grade	78 02
Taylor	Washington street	Franklin street	Gr'd, c'rb, p've gutt'rs	2,919 22
Wade avenue	Rhodes avenue	Westerly	Grade	9,386 00
Woodland avenue widening	Ohio street	Cross street	Pave	2,760 59
Weckerling	Hamm street	South of Blanche street	Grade	255 07
Willson avenue	Euclid avenue	Woodland avenue	Pave	74,683 01
Water	St. Clair stre	Superior street	Repave	10,810 48
Wall	Detroit street	Church street	Grade, gravel & Curb.	714 04
Total				$628,528 59

TABLE NO. 7.

SEWERS CONSTRUCTED IN 1882.

Name of Street.	From.	To.	Size.	Length.	Material.	Cost.	Contractor.
Alley	Kirtland street	Belden street	12 in.	300	Pipe	$ 300 00	Wood Bros.
			15 in.	912	"	1,140 00	
Bank street	Bank street extension	St. Clair street	No. 3.	1,138	Brick	5,842 13	L. F. Beers.
" "	St. Clair street	Superior street	No. 2.	648	"	3,302 23	L. F. Beers
			15 in.	800	Pipe		
Beech "	Garden "	Scovill avenue	12 in.	600	"	1,400 00	Wood Bros.
Brenton street	" "	Cedar avenue	15 in.	1,310	"	1,220 00	George Dennon.
Brownell "	Scovill avenue	Woodland avenue	No. 2.	745	Brick	1,234 90	" "
			15 in.	450	Pipe		
Chapel "	" "	" "	12 in.	390	"	875 00	Clements Bros.
Charles "	" "	" "	15 in.	810	"	848 00	" "
Frankfort "	Bank street	Seneca street	18 in.	490	"	1,525 00	Wood Bros
Greenwood "	Scovill avenue	Woodland avenue	15 in.	850	"	896 00	Clement Bros.
Hamilton "	Ontario street	Wood street	12 in.	434	"	406 90	George Dennon.
Henry "	Scovill avenue	Woodland avenue	15 in.	810	"	848 00	Clements Bros
Herrick court	Cheshire street	Westerly	9 in.	225	"	125 00	Wood Bros.
Kirtland street	L. S. & M. S. R. R.	St. Clair street	No. 3.	427	Brick	2,233 90	" "

TABLE NO 7—Continued.

Name of Street.	From.	To.	Size.	Length.	Material.	Cost.	Contractor.
Kirtland street	L. S. & M. S. R. R.	St. Clair street	18 in. 15 in.	853 800	Pipe	$1,278 50	Wood Bros.
Kennard street	Garden street	Scovill avenue	12 in.	600	"	1,450 00	" "
Laurel street	" "	" "	15 in.	800	"	650 00	" "
" "	Scoville avenue	Woodland avenue	15 in.	800	"	650 00	" "
Linden street	" "	" "	15 in.	800	"	650 00	" "
" "	Garden street	Scovill avenue	15 in	800	"	650 00	" "
Maple street	" "	" "	15 in. 12 in.	800	"	650 00	" "
" "	Scovill avenue	Woodland avenue	15 in	840	"	872 00	Clements Bros.
New street	Garden ssreet	Southerly.	8 in.	561	"	237 40	" "
Parkman street	Erie street	Brownell street.	15 in. 12 in.	1,170	"	incomplete	Jas. Connelly
Scovill avenue	Willson avenue	First street	No. 2	595	Brick	1,615 15	Clements Bros.
Slater avenue	Woodland avenue	Griswold street	9 in.	300	Pipe	159 00	George Dennon.
Sibley street	Sago street	Easterly	15 in.	370	"	433 00	Wood Bros.
St. Clair street	Bank street	Seneca	12 in.	448	"	479 40	George Dennon.

TABLE No. 7—Continued.

Name of Street.	From.	To.	Size.	Length.	Material.	Cost.	Contractor.
Taylor street	Bridge street	Lorain street	12 in.	400	Pipe	$ 260 00	Wood Bros.
Vine street	Scovill avenue	Woodland avenue	No. 2.	790	Brick	1,385 80	George Dennon.
Woodland court	Woodland avenue	Southerly	12 in.	1,181	Pipe	855 85	Wood Bros.
Total number feet and cost				24,253		$34,473 16	
" " miles				$4\frac{33}{100}$			

Dare street	Franklin street	Bridge street	1,175	2,035 00
Euclid avenue	Giddings brook	City Limits	10,450	52,566 50
Forward				

TABLE No. 8—Continued.

Name.	From	To	Length.	Estimated Cost.
Forward				
East Prospect street	Willson avenue	Easterly	970	$ 5,313 00
Fairfield street	Jennings avenue	Pelton avenue	940	1,106 50
Franklin avenue	Dare street	Waverly avenue	1,125	4,132 75
Franklin avenue	Birch street	Dare street	340	929 00
Gould street	East Madison Avenue	Custead avenue	805	5,250 00
Greenwood street	Cedar Avenue	Garden street	500	711 00
Greenwood street	Garden street	Scovill avenue	710	1,726 00
Greenwood street	Scovill Avenue	Woodland avenue	810	2,010 30
Hamilton street	Canfield street	Muirson street	400	620 00
Hamilton street	Dodge street	Canfield street	960	2,595 00
Hamilton street	Dodge street	Ross street	880	2,140 00
Hamilton street	Alabama street	Ross street	1,960	6,659 00
Henry street	Scovill avenue	Woodland avenue	950	2,166 00
Jennings avenue	Fairfield street	Willey street	910	1,037 00
Forward				

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Maple street	Scovill avenue	Woodland avenue	1,020	2,889 60
Minnesota street	St. Clair street	Superior street	750	897 00
Orange street	Perry street	Mayflower street	2,215	7,464 00
Parkman street	Erie street	Brownell street	1,178	8,106 00
Forward				

TABLE No. 8--Continued.

Name.	From	To	Length.	Estimated Cost.
Forward				
Scranton avenue	Willey street	Clark avenue	3,600	$ 26,213 00
Sibley street	370 feet west of Hayward street	Sterling avenue	860	986 00
Spruce street	Mulberry street	Pearl street	360	582 00
Superior street	Erie street	Monumental Square	1,380	7,612 50
Superior street	Willson avenue	Case avenue	3,340	19,598 00
Walnut street	Dodge street	Muirson street	1,490	3,572 00
Water street	Superior street	Lake street	1,590	8,402 00
Willey street	Walworth Run	Jennings avenue	2,000	17,044 50
Total			68,781	$281,718 15

TABLE No. 9.

PLANS HAVE BEEN MADE FOR SEWERS IN THE FOLLOWING STREETS AND AVENUES.

Name of Street.	From	To	Length in feet.
Academy street	Lake street	St. Clair street	670
Beecher street	Dunham avenue	Giddings avenue	1,470
Brenton street	Garden street	Cedar avenue	1,311
Bridge street	Randall street	Fulton street	1,140
Chapel street	Scovill avenue	Woodland avenue	960
Charles street	" "	" "	965
Chestnut street	Dodge street	Angle	860
Columbus street	Lorain street	Pearl street	1,865
Custead avenue	Gould street	Euclid avenue	3,010
Dare street	Franklin avenue	Bridge street	1,175
Detroit street	Old City Limits	New city limits	1,160
" " 230 feet east of Pearl	230 feet east of Pearl	Kentuckey street	2,610
Euclid avenue	North Perry	Case avenue	4,625
Forward			

TABLE No. 9—Continued.

Name of Street.	From	To	Length in feet.
Forward			
Euclid avenue	Giddings brook	City Limits	10,450
Fairfield street	Jennings avenue	Pelton avenue	940
Forest street	Cedar avenue	Garden street	995
Franklin avenue	Birch street	Waverly avenue	1,450
Gould street	East Madison avenue	Custead avenue	805
Greenwood street	Cedar avenue	Woodland avenue	2,565
Hamilton street	Muirson street	Alabama street	4,280
Harbor street	Woodbine street	Bridge street	1,285
Henry street	Scovill avenue	Woodland avenue	955
Jerome alley	Cross street	Alley	530
Johnson street	Bank street	Water street	530
Jennings avenue	Fairfield street	Holmden street	5,575
Laurel street	Garden street	Woodland avenue	1,975
Lena avenue	Giddings avenue	East Madison avenue	1,700
Forward			

TABLE No. 9—Continued.

Name of Street.	From	To	Length in feet.
Forward			
Lena avenue	Willson avenue	Norwood street	1,640
Linden street	Garden street	Woodland avenue	2,140
Lorain street	Chestnut Ridge	Geib street	1,540
Liberty street	Franklin avenue	Southerly	610
Maple street	Garden street	Woodland avenue	2,060
Minnesota street	St. Clair street	Superior street	750
Orange street	Perry street	Mayflower street	2,215
Oregon street	" "	Westerly	1,720
Parkman street	Erie street	Brownell street	1,160
Pier street	Woodland avenue	Beaver street	800
Sibley street	370 feet west of Haywood	Sterling avenue	860
Superior street	Erie street	Monumental Square	1,380
Superior street	Willson avenue	Case avenue	3,340
Taylor street	Franklin avenue	Bridge street	1,625
Forward			

TABLE No. 9—Continued.

Name of Street.	From	To	Length in feet.
Walnut street	Dodge street	Muirson street	1,490
Water street	Lake street	Superior street	1,590
Willey street	Scranton avenue	Jennings avenue	880
Total feet			81,626
Total miles			15.46

TABLE No. 10.

STREETS ON WHICH SIDEWALK GRADES HAVE BEEN GIVEN.

NAME OF STREET.	LENGTH IN FEET
Auburn street	5,116
Barber avenue	2,520
Brighton street	5,292
Brock street	610
Brooklyn street	3,052
Cliff street	935
College street	1,000
Cypress street	1,160
Delaware street	3,648
Dille street	1,020
Florence street	2,632
Forest street	2,890
Howard street	1,230
Iona street	5,204
Jefferson street	2,200
Jerry street	2,500
Pelton avenue	1,305
Scovill avenue	3,220
Seelye avenue	3,840
Seymour avenue	1,880
Sibley street	2,468
Solon street	1,040
St. Clair street	470
Starkweather avenue	6,361
Sterling avenue	1,600
Tremont street	2,122
Train street	3,810
University street	3,591
Vega avenue	1,810
Wade avenue	6,652
Warren street	3,140
Willey street	796
Total Feet	85,114
Total Miles	16.12

TABLE No. 11.

STREET GRADES ESTABLISHED IN 1882.

Name of Street.	From.	To.	Length.	When Established.
Aust street	Pearl street	Hanover street	589	September 18.
Canton street	Broadway	Crosby street	542	January 6.
" "	Crosby street	Brecksville road	847	October 16.
Chestnut Ridge Road	Lorain street	Chestnut Ridge street	4,360	September 18.
Duane street	Detroit street	Franklin avenue	826	July 10.
Empress street	Fillmore street	Barber street	998	October 16.
Fillmore street	Pearl street	Empress street	300	" "
Guernsey street	Lorain street	600 feet southerly	600	" "
Hanover street	Detroit street	Franklin avenue	974	April 6.
Lawn street	Gordon avenue	City limits	1,650	October 16.
Ohio street	Brownell street	Central Way	3,475	March 6
Perry street	Euclid avenue	Angle	865	" 6.
Paofessor street	Jefferson	College street	400	" 20.
Seymour avenue	Hitchcock street	Rhodes avenue	1,000	January 16.
Short street	Croton street	Burwell street	250	October 16.

TABLE NO. 11—Continued.

Name of Street.	From.	To.	Length.	When Established.
State street	Detroit street	Franklin avenue	954	June 26.
South alley	Canfield street	Muirson street	432	October 30.
Vermont street	State street	Pearl street	1,080	August 21.
Wall street	Church street	Detroit street	372	" 21.
Total feet			20,464	
" miles			$3\frac{87}{100}$	

TABLE NO. 12.

SURVEYS MADE IN 1882.

Arlington Court, proposed extension, Cedar avenue to Garden street.

Canal street, from Harrison street to Fifth street.

Commercial street bridge, location of.

Lorain street extension, from Smith street to Scranton avenue.

Detroit street, from Waverly avenue to city limits.

North Perry street, from Euclid avenue to St. Clair Streets.

Terrace street, entire length.

Highland street, from Fairmount street to east of Stearns street.

Howard street, from Mill street to Columbus street.

Kidder street, from Swiss street to Hamburgh street.

Alley west of Swiss street, from Kidder street to Train street.

Pierce Place, from Kennard street to Willson avenue.

Garden alley in Craws allotment, entire length.

Sherbrook street, and proposed extension, from Superior street to Prosser street.

Sawtell avenue, from Woodland avenue to Kingsbury Run.

South alley, from Muirson street to New alley.

Remington Place, (so-called) from Doan street to Fairmount street.

Walworth Run, from Burton street to Gordon avenue.

Police Station lot on Willson avenue, 14th ward.

" " " " Swiss street, 11th ward.

School lot, corner Marion and Sked street.

East End Armory and Cemetery lot, corner Euclid avenue and Doan street.

TABLE No. 13.

MAPS OF SUB-DIVISIONS, ETC., APPROVED BY COUNCIL IN 1882, AND WHICH WERE EXAMINED AND REPORTED ON BY ENGINEER.

NAME.	DATE OF APPROVAL.
Dedication of an alley through lot 45, Willcutt & Judson's allot.	Jan'y 23.
M. Corcoran's re-allotment in original lot 464	Feb'y 13.
Levi & Electa A. Nichols' Sub-Division in original lot 415	Mar. 6.
T. E. Burton's Sub-Division in original lot 440	Mar. 13.
Heirs of Leonard Case Sub-Division of 10-acre lots 154 to 164	Mar. 27.
J. M. Curtiss, Sub-Division in original lots 72 and 85	Mar. 27.
Dedication of E. half of Spangler avenue, O. L. 333	April 10.
Wm. Bingham's sub-division of part of 10-acre lots 87 and 88	May 29.
Paul Kindsvater's sub-lot 9, Spangler allotment O. L. 343	June 19.
N. Meyer's re-allotment of sub-lots 45, his allotment in O. L. 72 and 85	June 19.
Wm. F. Brunner, Tr-re-allotment of sub-lots 11, 12 and 15 to 17, Miller's allotment, O. L. 392	Aug. 7.
Mrs. N. B. Baine's sub-division in O. L. 331	Aug. 28.
H. & L. Goldsmith's sub-division of part of lot 17, Bomford allotment, O. L. 331	Nov. 27.
Hartzell & Branch's sub-division of block "B" in F. Branch's allotment O. L. 71	Nov. 27.
W. H. Lawrence's sub-division in O. L. 347	Dec. 4.

TABLE No. 14.

MAPS WITH FRONTAGES AND NAMES OF PROPERTY OWNERS, MADE IN 1882, FOR USE IN ASSESSMENTS AND FOR SERVING NOTICES ON STREETS.

Name.	From	To	Length in feet.
Atlantic street	Kinsman street	Bessemer avenue	3,300
Aust street	Pearl street	Hanover street	530
Blanch street	Weckerling street	Randolph street	570
Bright street	St. Clair street	Lake street	610
Burwell street	Westerly end	Case avenue	1,640
Church street	Pearl street	State street	990
Colgate street	Gordon avenue	City Limits	1,800
Cross street	Woodland avenue	Orange street	330
Duane street	Detroit street	Franklin avenue	830
East River street	Superior street	St. Clair street	520
Erie street	Lake street	Summit street	250
Frankfort street	Water street	Seneca street	1,010
Forward			

TABLE No. 14—Continued.

Name.	From	To	Length in feet.
Forward			
Goethe street	Hamm street	Blanche street	950
Guy street	Petrie street	E end	700
Hamm street	Petrie street	Broadway	1,720
Hartford street	Clark avenue	Storer avenue	2,500
Hanover street	Franklin Place	Washington street	1,490
Henry street	Woodland avenue	Scovill avenue	960
Holmden avenue	Pearl street	Scranton avenue	560
Howe street	Seneca street	Ontario street	500
Independence street	Broadway	Southerly	1,300
Krauss alley	Sterling avenue	Lawrence street	800
Kentucky street	Detroit street	Bridge street	2,140
Lawn street	Gordon avenue	City Limits	1,650
Noble alley	Seneca street	Ontario street	420
Ontario street	Rockwell street	St. Clair street	350
Forward			

TABLE No. 14—Continued.

Name.	From	To	Length in feet.
Forward			
Ohio street	Ontario street	Central Way	1,030
Professor street	Pelton avenue	Starkweather avenue	2,300
Quincy street	Willson avenue	C. & P. R. R.	3,230
Randolph street	Dolloff street	Blanche street	680
Scranton avenue	Paraffine street	Clark avenue	4,000
State street	Franklin avenue	Washington street	1,440
South alley	Muirson street	Canfield street	430
Taylor Street	Franklin avenue	W. Washington street	1,070
Wall street	Detroit street	Church street	380
Woodland avenue	Ohio street	Perry street	2,560
Water street	Superior street	St. Clair street	650
Weckerling street	Hamm street	S. of Blanche street	1,040
Total Feet			47,320
Total Miles			9

TABLE No. 15.

STREETS NUMBERED IN 1882 ACCORDING TO MAPS OF ENGINEER.

Name.	From.	To.	Length in feet.
Allen street	Ohio street	Brownell street	1,100
Bank street	Seneca street extension	Superior street	1,800
Canal street	Champlain street	Hill street	6,000
Clinton street	Hanover street	Liberty street	3,200
Detroit street	Center street	City limits	8,500
Fifth avenue	Willson avenue	Second avenue	1,200
Margaret street	Kirtland street	Willson avenue	1,000
New street	Garden street	End L. of Quincy street	1,400
Ontario street	Factory street	Ohio street	400
Prospect street	Ontario street	Willson avenue	11,100
Tod street	150 feet west of Francis street	Union street	5,700
Washington street	West River street	Kentucky street	4,500
Willson avenue	Lake Erie	Broadway	22,800
Windsor avenue	Case avenue	Willson avenue	1,700
Total feet			70,400
" miles			13½

TABLE No. 16.

GAS AND FLUID STREE LAMPS IN USE JANUARY 1, 1883. THAT ARE CHARGED TO THE CITY.

EAST OF CUYAHOGA RIVER.

Ward.	Gas.	Fluid.
First	168	38
Second	34	1
Third	40	....
Fourth	217	7
Fifth	267	22
Sixth	598	1
Seventh	153	242
Fourteenth	121	103
Fifteenth	185	139
Sixteenth	218	49
Seventeenth	204	43
Eighteenth	183	40
Total	2,333	685

WEST OF CUYAHOGA RIVER.

Ward.	Gas.	Fluid
Eighth	164	54
Ninth	207	16
Tenth	254	72
Eleventh	176	134
Twelfth	152	220
Thirteenth	173	157
Total	1,126	653
" in city	3,459	1,338

TABLE No. 16.—Continued.

No. of gas lamps replaced by electric light in 1882	395
No. of gas lamps replaced by electric light prior to January 1, 1882	120
No. of gas lamps replaced by electric light since its introduction in 1879	515
No. of new gas lamps lighted in 1882	146
No. of new oil lamps lighted in 1882	78

There are four electric masts, each having eight lamps, of four thousand candle power per lamp, situated as follows: one at the intersection of Superior and South Water streets; one at the intersection of Superior and Oniario streets; one at the intersection of Lake and Bank streets, and one at the intersection of St. Clair and Erie streets. There are also thirty-three electric lights on Euclid avenue between Monumental Park and Willson avenue. The four masts and thirty-theee posts have displaced 515 gas lamps.

TABLE No. 17.

SHOWING WORK DONE BY VIADUCT DRAW 1882.

Month.	Total No. of vessels passed through	Steam Vessels.	Sail. Vessels.	No. of times draw opened.	Total time draw was opened each month.		Average time of each vessel in passing through	Average time draw was open each swing	Average No. of vessels passed through each day.
					hrs.	min	min.	min.	
January	7	2	5	7		28	4 00	4.00	0.23
February	5	1	4	5		26	5 20	5 20	0.18
March	36	7	29	38	3	4½	5.11	4.84	1.16
April	341	87	254	321	20	38	3.63	3.85	11.37
May	495	145	350	440	30	32½	3.70	4.16	15.97
June	560	181	379	497	35	11½	3.77	4.25	18.67
July	521	156	365	468	29	39½	3 41	3 80	16.81
August	549	172	377	498	30	2½	3 30	3.62	17.71
September	549	153	396	491	30	21	3.32	3.71	18.30
October	584	164	420	508	32	30	3 34	3.84	18.84
November	463	156	307	419	27	16½	3 53	3 90	15.43
December	43	21	22	43	2	40	3.72	3.72	1 39
Totals for year	4,153	1,245	2,908	3,735	242	50	3 50	3.90	11 38

TABLE No. 17—Continued.

Steam on Boiler 365 days.

1882.	Coal consumed, 51 tons (egg size). Average per day	279 lbs.
1881.	" " 42 " " "	230 "
1880.	" " 46 " " "	252 "
1882.	Coal consumed for heating houses at end of draw, (chestnut size),	9 "
1882.	No. of vessels through the draw	4,153
1881.	" " " " " "	3,954
1880.	" " " " " "	3,938
1882.	" " swings made	3,735
1881.	" " " "	3,689
1880.	" " " "	3,374

TABLE No. 18.

THE EXPENSES OF THE CITY CIVIL ENGINEER'S DEPARTMENT FOR THE YEAR 1882.

Salaries	$12,747 87
Stationary and supplies	286 79
Street car tickets and repairs to instruments	119 02
Stakes and monument blocks	58 48
Tape lines	23 10
Total	$13,235 26

ANNUAL REPORT

OF THE

BOARD OF IMPROVEMENTS

OF THE

CITY OF CLEVELAND, OHIO,

FOR THE

YEAR ENDING DECEMBER 31, 1882.

ANNUAL REPORT

OF THE

BOARD OF IMPROVEMENTS.

To the Honorable City Council:

GENTLEMEN:—The Board of Improvements herewith submits its annual report for the fiscal year ending December 31st, 1882.

The reports of the City Civil Engineer and Street Commissioner, giving a specific report of their respective departments are hereto attached and made a part hereof.

The total cost of work ordered, services performed and materials furnished under the supervision of the Board, during 1882, including the expenditures of the departments of the officers above named, was $814,929.54.

There have been one hundred and four meetings of the Board during the year, of which one hundred were regular, and four special meetings. The year has been an extremely busy one for the Board; in addition to the general routine business of this department it has had the charge and supervision of extensive and permanent improvements which will prove a lasting benefit to the city. There has been laid seven and sixty-eight one-hundredths miles of Medina stone pavement during the year, incurring an expense thereby of nearly five hundred thousand dollars. The severage also has been extended four and thirty-seven one-hundredths miles.

The repaving of a portion of Superior, Prospect, Wood-

land, Pearl, Detroit, Bank, Seneca, Erie and other streets has met a much needed necessity. And the replacing of a perishable for a good, durable stone pavement on these streets, and the streets which provisions have been made to repave during 1883, will substantially obliterate the wood and concrete pavements of the city.

Experience has fully demonstrated that stone is the only suitable pavement to adopt, not merely for its durability, but for its economy; but whether the same shall be a "block" or "wet" stone depends more upon its comfort in use and sanitary condition than durability.

Contracts have been entered into with the city to repave Euclid avenue, from Perry to Fairmount streets, with "block" Medina stone, and this portion of Euclid avenue will be repaved, under the contracts, during the coming season.

These permanent improvements should proceed from year to year, where public necessity demands, and especially in the business portion of the city, until our principal thoroughfares are paved with a good, durable pavement.

The question of the extension of sewerage and water is equally as important in promoting the sanitary conditions of the city as the pavement of streets, and should be enlarged as rapidly as funds will permit.

An intercepting sewer, which has heretofore been urged, should be constructed as soon as the necessary preparations can be perfected to commence and prosecute this improvement which has become to be a public necessity.

Although it is the disposition of the Board to recommend and foster permanent and needful improvements, yet to avoid conflict and litigation the Board is of the opinion that improvements which will necessitate a special tax should not be recommended unless all the property to be assessed therefore will bear the expense under the law.

If this principle is closely adhered to improvements will proceed without apprehension of an abatement or refusal to comply with the provisions of the law.

Authority of the City Council should be given the Board to purchase a horse and cart, or more if necessary, and employ suitable persons to keep our paved streets in thorough repair under the supervision of the Street Commissioner. By this method the pavements would be kept in good condition and would not necessitate relaying as often as might be required under the present system.

The accompanying reports of the Engineer and Street Commissioner are respectfully indorsed by the Board, and herewith referred to your honorable body for your consideration and approval.

The expenditure authorized by the Board, and not included in the reports of the Engineer and Street Commissioner were as follows, to-wit:

BRIDGES.

VIADUCT—		
Tenders' pay roll	$ 6,590 67	
Repairs pay roll	513 41	
Supplies, repairs	161 44	
Ordinary supplies	449.11	
		$ 7,714 03
WILLOW STREET—		
Tenders' pay roll	$ 2,466 55	
Repairs pay roll	299 13	
Supplies, repairs	105 29	
Ordinary supplies	34 32	
		$ 2,905 29
MAIN STREET—		
Tenders' pay roll	$ 2,946 65	
Repairs, pay roll	149 25	
Supplies, repairs	189 76	
Ordinary supplies	13 71	
		$ 3,293 37

CENTER STREET—

Tenders' pay roll	$ 2,425 16	
Repairs pay roll	156 75	
Supplies, repairs	175 61	
Ordinary supplies	19 78	
		$ 2,777 30

SENECA STREET—

Tenders' pay roll	$ 2,121 89½	
Repairs pay roll	272 17	
Supplies repairs	219 21	
Ordinary supplies	24 51	
		$ 2,637 78½

COLUMBUS STREET—

Tenders' pay roll	$ 2,245 76½	
Repairs pay roll	140 05	
Supplies repairs	256 32	
Ordinary supplies	16 79	
		$ 2,658 92½

UPPER CENTRAL WAY—

Tenders' pay roll	$ 2,242 00	
Repairs pay roll	144 01	
Supplies, repairs	122 64	
Ordinary supplies	30 85	
		$ 2,539 50

LOWER CENTRAL WAY—

Tenders' pay roll	$ 2,372 60½	
Repairs pay roll	90 13	
Supplies repairs	114 63	
Ordinary supplies	58 75	
		$ 2,636 11½

JEFFERSON STREET—

Tenders' pay roll	$ 1,308 75	
Repairs pay roll	80 99	
Supplies repairs	31 39	
Ordinary supplies	14 86	
		$ 1,435 99

WALWORTH RUN—		
Tenders' pay roll	$ 1,099 50	
Repairs pay roll	56 62	
Supplies repairs	90 42	
Ordinary supplies	28 92	$ 1,275 46
SWISS STREET—		
Tenders' pay roll	$ 364 00	
Repairs pay roll	55 88	
Supplies repairs	58 65	
Ordinary repairs	11 57	$ 490 10
BURKE BROOK—		
Repairs pay roll	$ 7 88	
Supplies repairs	$ 14 80	$ 22 68
CRAWFORD ROAD—		
Repairs pay roll	$ 13 12	$ 13 12
COMMERCIAL STREET—		
Repairs pay roll	$ 196 79	
Supplies repairs	1 20	$ 197 99
ERIE STREET—		
Repairs pay roll	$ 417 00	
Supplies repairs	416 80	$ 833 80
FACTORY STREET—		
Repairs pay roll	$ 225 94	
Supplies repairs	13 20	$ 239 14
WINSLOW STREET—		
Repairs pay roll	$ 26 25	$ 26 25
GENERAL ACCOUNT—		
Repairs pay roll	$ 282 00	
Lumber	231 55	
Oil	305 91	
Supplies repairs	39 54	
Ordinary supplies	104 05	$ 963 05

CANAL BRIDGES—

Repairs pay roll	$ 41 63	
Lumber	57 42	
Stone	546 50	
		645 55
Total		$33,306 04½

ARMORY.

Supplies repairs	$ 19 00	
Ordinary supplies	95 42	
Chandeliers and globes	215 00	
		$ 329 42

LIGHTING ACCOUNT.

Brush Electric Light	$ 9,898 64	
Electric poles, &c	582 92	
Fluid lamps, lighting and care	15,187 91	
Gas furnished, &c	70,411 33	
New lamp posts, etc	4,343 65	
		$ 100,424 45

SUPERINTENDENTS OF IMPROVEMENTS.

Paving and repaving	$4,889 25	
Dredging	182 50	
Sewer	373 75	
Cindering	67 50	
		$ 5,463 00

OTHER EMPLOYES.

Mayor's Clerk and Clerk of Board	$ 2,000 00	
Inspector of sidewalks	720 00	
First Assistant Clerk	720 00	
Second Assistant Clerk	600 00	
Miss M. Smead, additional services	139 98	
Elevator operator	660 00	
Engineers of heating apparatus	1,401 00	
Fireman of heating apparatus	200 00	
		$ 6,440 98

CITY HALL.

Repairs and supplies for engine room and elevator	$ 119 18	
Repairs on offices	191 57	
Repairs on building	168 10	
Supplies	224 63	
Coal	1,235 36	
		$ 1,938 84

MAYOR'S AND BOARD OFFICERS.

Supplies	$ 52 34	
Stationery, etc	238 82	
Mayor's Message, printing, etc	120 60	
		$ 411 76

POUNDS.

FIFTH WARD—		
Pound keepers pay	$ 355 00	
		$ 355 00
SIXTH WARD—		
Pound keeper's pay	$ 707 00	
Rent of pound	17 50	
		$ 724 50
THIRTEENTH WARD—		
Pound keeper's pay	$ 702 50	
Rent of pound	35 00	
		$ 737 50
FOURTEENTH WARD—		
Pound keeper's pay	$ 687 50	
Rent of pound	30 00	
		$ 717 50
SEVENTEENTH WARD—		
Pound keeper's pay	$ 719 00	
Rent of pound	12 00	
		$ 731 00
EIGHTEENTH WARD—		
Pound keeper's pay	$ 359 50	
Rent of pound	25 00	
		$ 384 50

SWISS STREET—

Pound keeper's pay	$ 712 25	
		$ 712 25
Total		$ 4,362 25

MARKET ACCOUNT.

Cleaning markets and hay scales	$ 314 81	
Repairs of hay scales and market houses	300 18	
Supplies and coal	120 38	
New hay scales	200 00	
		$ 935 37

SEWERS AND CATCH BASINS.

Atlantic street, sewer build	$ 281 70	
Broadway, well-hole build	109 70	
Case avenue, at Lake, sewer repair	285 74	
Columbus street bridge, at River, sewer repair	31 20	
Clark avenue, corner Poplar street, sewer clean	15 80	
Forest street, sewer repair	22 25	
Pearl street, intersection Willey street, repair	22 00	
Pearl street, corner Brainard street, catch basin, repair,	9 00	
Superior street, sewer clean	26 50	
Under old passenger depot, sewer build	407 30	
Viaduct at Center street, sewer repair	53 35	
Willson avenue, sewer repair	46 38	
Willey st., at Tracey street, catch basin and sewer build.	140 00	
		$ 1,450 92

PAVEMENTS REPAIR.

Prospect street, concrete	$ 120 00	
Sheriff street, concrete	45 00	
Lake street, concrete	400 00	
Seneca street, concrete	175 00	
Frankfort street, stone	404 05	
Market street, stone	99 68	
		$ 1,243 73

CUYAHOGA RIVER.

Towing snags	221 00	
Cleaning coal from river	33 24	
Supplies and work on Harbor Master's office	236 23	
Dredging	2,019 11	
Sounding river	32 00	
		$ 2,541 58

MISCELLANEOUS.

Repairs to docks	561 96	
Sawyer street culvert	469 00	
Independence street culvert	239 12	
Repairs to Doan Brook bridge	66 00	
Work on Pearl street	42 75	
Quincy and Edwards streets monuments	8 00	
Police Court building plans	190 00	
Abstract	20 00	
Furnishing and driving piles at Scranton ave. washout	799 65	
Freight on lumber from Akron	13 97	
A. R. Palmer, serving notices	5 00	
Sidewalk Inspector, horse and buggy	34 00	
Numbering houses	82 50	
Sidewalk tax refund	181 00	
Printing and advertising	1,909 73	
		$ 4,622 68

SUMMARY.

Bridges	$ 33,306 04½	
Lighting account	100,424 45	
Armory	329 42	
Superintendents of Improvements	5,463 00	
Other employes	6,440 98	
City Hall expenditures	1,938 84	
Mayor's and Board offices	411 76	
Pounds	4,362 25	
Market account	935 37	
Sewers and catch basins	1,450 92	
Pavements, repair	1,243 73	
Cuyahoga river	2,541 58	
Miscellaneous	4,622 68	
Grand total		$163,471 02½

All of which is respectfully submitted. By order of the Board of Improvements.

M. M. HOBART, *Clerk.*

ANNUAL REPORT

OF THE

STREET COMMISSIONER,

OF THE

CITY OF CLEVELAND, OHIO,

FOR THE

YEAR ENDING DECEMBER 31, 1882.

REPORT OF THE

STREET COMMISSIONER.

To the Honorable Board of Improvements:

GENTLEMEN,—I have the honor herewith to submit the annual report of the Street Department for the year ending December, 31st, 1882.

About one-half of the total amount expended by this Department has been under contracts, specifications of which and prices for performing the work mentioned therein, are embraced in table below.

About October 1st, 1882, contracts were entered into with lowest responsible bidder for doing the work as specified in proposals, for the succeeding fifteen months.

A small percentage only of the gross amount of work enumerated in tables being done under the above mentioned contracts.

The present contract prices which hold to January 1st, 1884, for each street cleaning section, of which there are four, with name of contractor, are at the following rates for work specified:

Contractor.	P. Carroll.	A R Jewett	S. Beckwith	S. Beckwith
Section	1	2	3	4
Paved streets	$22 00	$30 00	$26 00	$28 00
Unpaved streets	21 00	25 00	25 00	27 00
Alleys	7 00	10 00	1 00	1 00
Spring cleanings	31 00	60 00	10 00	10 00
Common labor	1 50	1 50	1 50	1 50
Team labor	3 50	4 00	3 50	3 50
Excavation	.23	.25	.20	.20
E. Filling	.20	.30	.20	.20
Gravel	.38	.45	.50	.40
Broken stone	.58	.60	.50	.50
Black cinder	.33	.25	.40	.30
Furnace cinder	.40	.70	.40	.45
Cleaning crossings	.04½	.04½	.07	.08

Constant watchfulness and attention is more indispensibly necessary in the care of the two thousand catch-basins of the city than is generally understood, carelessness in attention to which would result in great damages to property. Mr. Fred. Kuentz, who has this work in immediate charge, has made himself invaluable in giving his undivided and close attention to it. The catch-basins of the city are cleaned by contract. The price for fourteen months, from November 1st, 1882, to January 1st, 1884, being $2,545, which is less than one and one-half dollars for each in city. With continual watchfulness over contractor, this is certainly the best and cheapest method that could be adopted.

The market grounds are cleaned by contract; present price, and to January 1, 1884, being $895. Estimates being made out by this Department for this work semi-monthly.

Repairs to stone and wood pavement, to box gutters and

sluices, flushing sewers, and puddling streets has all been done by men amployed by Street Commissioner at day's work. The greater part of the work of repairing cross-walks being done in the same manner.

It will be seen by tables annexed, that there was a large amount of pavement repair done by days work on wood-paved streets; the old blocks from streets being newly paved, were used for this work. Franklin, Garden, Perry and part of Kinsman streets received in this way thorough repairs at comparatively small cost. The stone pavement on Ontario street, from the Public Square to the Market House, was repaired with old stone taken from other streets which were being repaved. All other stone-paved streets were also gone over, and all bad chuck-holes patched up. The amount of work done for the Water Works Department and other parties taking out permits to open streets, was unusually large.

Although less cleaning was done than during the preceeding year, the contract prices were about thirty per cent. higher on all work, thus making increased cost on total work done. A larger amount of work was also done on unpaved streets than was done during the year 1881.

The work on Scranton avenue landslide and culvert, amounting to about ten thousand dollars, was done and paid for during the earlier part of the year. The cost of culvert, as given in the Auditor's statement, does not include filling, puddling, paving, and other expenses made necessary in order to place street in proper condition for travel.

The increase of expenditures of the year 1882 over those of 1881 was due to above mentioned causes, together with the higher wages paid to pavers, teams and laborers.

The ordinary expenses of 1882, as given by the Auditor, were $87,860.01. This was for fiscal year, and includes

der charge of Street Com
78. Deduct differences in
cmber, 1882, $1,631.41, a
ordinary expenses under ch
this amount, $10,084.60
aking the net expenses u
ber, $73,092.77.

l work performed, at what p
ge of Street Commissione
areful examination of whi

h paved street except excavatio
missioners' work on unpaved st
npaved streets by contract an
paved streets.
wers.
atch basins.
rosswalks.
ox gutters.
ulverts.
heathing bridges.
count.
unt.
ous bills.
officers.

submitted.

FRANK RIELEY,
Street Commission

	Literary	Central Way and Herschell	Stone	910	1820	2	10 00		159 60		23 49
	Long	Water and Seneca	Stone	1314	7884	6	42 68		149 49	7 91	

TABLE NO. 4.

REPAIRING SEWERS.

Bank street	$ 49 90
Beach street at No. 60	11 65
Bridge street at Pearl street	4 25
Bond street	17 60
Bond street at St. Clair street	9 00
Case avenue at Cedar avenue	4 00
Canal street at Hill street	14 50
Canal street at Seneca street	25 00
Chestnut street at No. 76	8 20
Chestnut Ridge at Lorain street	16 20
Central Place at Race street	20 60
Cedar avenue at Arlington court	10 60
Dodge street	32 25
Dodge street at Euclid avenue	24 00
Eagle street at Woodland avenue	12 00
Euclid avenue at Convent street	22 40
Front street	40 00
Fulton street at Carroll street	12 65
Fairfield street at Scranton avenue	120 00
Gordon avenue	16 05
Junction street	50 00
Kennan street at No. 914	8 50
Lake street at Seneca street	10 00
Long street	11 50
Long street at South Water street	59 80
Main street at West River street	16 90
Michigan street	3 80
Muirson street	14 95
Noble street	33 20
Ohio street at Central place	24 50
Perry street at Orange street	10 25
Prospect street	19 10
Prospect street at No. 403	16 00
Prospect street at Erie street	3 90
Rockwell street at Case Building	10 00

[illegible]	18 75
[illegible]	40 35
[illegible]	38 06
[illegible]	11 00
[illegible]	17 25
[illegible]	11 75
[illegible]	9 15
[illegible]	17 40
[illegible]	8 45
[illegible]	206 00
[illegible]	13 60
[illegible]	6 75
[illegible]	122 00
[illegible]	9 25
[illegible]	7 50
[illegible]	13 60
[illegible]	19 00
[illegible]	18 25
[illegible]	20 00
[illegible]	20 00
[illegible]	10 50
[illegible]	12 65
[illegible]	16 00
	$1,430 53

TABLE No. 5.

SHOWING COST OF CLEANING AND REPAIRS TO CATCH BASINS DURING THE YEAR.

Broadway at Liberal street	$ 7 90
Broadway at N. Y. P. & O. R'y	8 50
Broadway at Perry street	18 00
Bridge street at Hurd street	4 00
Champlain street	18 85
Chapel street	10 66
Case avenue at Cedar avenue	7 75
Cedar avenue at Giddings avenue	6 75
Cedar avenue at Sago avenue	23 75
Chestnut street at 78	8 00
Chestnut street at Dodge street	5 50
Commercial street at Fifth street	16 15
Columbus street at Center street	13 15
Columbus street at Leonard street	19 20
Church street at Pearl street	6 05
Center street at Merwin street	8 40
C. C. C. & I. R'y shops	8 20
Davenport street at Clinton Park	8 80
Danforth street at Superior street	16 68
Dodge street at Oregon street	11 20
Detroit street at 915	6 50
Euclid avenue at Erie street	80 70
Franklin avenue at Columbus street	9 90
Front street at Water street	9 50
Front street at Meadow street	2 85
Forest street at 1,000	15 60
Greenwod street at Sibley street	8 25
Garden street at Laurel street	8 50
Garden street at Brooker street	8 80
Garden street at Parkman street	8 50
Garden street at Lussenden avenue	17 60
Garden street at 194	8 25
Garden street at Greenwood street	4 00

[illegible]	5 25
[illegible]	10 66
[illegible]	5 55
[illegible]	32 55
[illegible]	21 37
[illegible]	10 45
[illegible]	14 45
[illegible]	8 25
[illegible]	6 97
[illegible]	9 40
[illegible]	12 00
[illegible]	6 50
[illegible]	6 56
[illegible]	7 00
[illegible]	9 70
[illegible]	9 00
[illegible] street	38 40
[illegible]	18 00
[illegible]	8 50
[illegible]	8 10
[illegible]	8 25
[illegible]	6 95
[illegible]	3 75
[illegible]	5 83
[illegible]	13 20
[illegible]	6 50
[illegible]	10 50
[illegible]	10 65
[illegible]	4 20
[illegible]	7 62
[illegible]	8 80
[illegible]	16 70
[illegible]	12 75
[illegible]	5 90
[illegible]	9 30
[illegible]	14 50
[illegible]	19 80

Willey street, at C C. C. & I. R'y	35 35
Wood street	10 00
Woodland aeenue at Jewish Orphan Asylum	18 00
Woodland avenue at Mayflower street	17 47
Broadway, at Central Place	58 80
Franklin avenue at Waverly avenue	66 00
Kinsman street	75 00
Lorain street at Waverly avenue	37 00
Payne avenue at Willard street	155 80
Sterling avenue	150 15
Sterling avenue at Sibley street	74 20
Second street at Sycamore street	45 00
Willey street at C. C. C. & I. R'y	188 35
	$1,701 42

CLEANING.

By contract	$2,333 94
Per bills	92 00
Extra cleaning on new L. B.	33 33
	$2,459 27
Total expenditures	$4,160 69

TABLE No. 6.

CROSSWALKS, NEW AND REPAIRS TO OLD, NOT ENUMERATED IN TABLE NO. 2.

Parkman street at Allen street	$ 18 00
Pearl street	262 08
Jersey street at Fulton street	32 64
Scanton avenue	32 00
City walks	8 62
	$ 353 34

[illegible] No. 7.

[illegible] AND REPAIRING BOX GUT-[illegible]R, NOT ENUMERATED IN [illegible] NO. 2.

[illegible]	$ 4 00
[illegible]	8 00
[illegible]	9 75
[illegible]	8 00
[illegible]	10 00
[illegible]	30 00
[illegible]	10 00
[illegible]	10 00
[illegible]	8 00
[illegible]	20 00
[illegible]	20 00
[illegible]	7 75
[illegible]	35 00
[illegible]	15 00
[illegible]	35 00
[illegible]	12 00
	$ 242 50

[illegible] No. 8.

[illegible] ING AND BUILDING CUL-[illegible]G THE YEAR.

[illegible]	$ 302 52
[illegible]	284 10
[illegible]	44 00
[illegible]	12 65
[illegible]	228 49
[illegible]	19 35
[illegible]	237 00
[illegible]	157 80
[illegible]	97 50
	$ 1,383 41

TABLE No. 9.

SHOWING COST OF LABOR SHEATHING BRIDGES DURING THE YEAR.

Center street	$ 39 00
Columbus street	4 00
Commercial street	3 44
Factory street	15 00
Jefferson street	30 50
Lower Central Way	36 29
Main street	51 00
Seneca street	100 26
Swiss street	6 00
South Water street	12 71
Upper Central Way	47 88
Walworth Run	21 94
Willow street	40 00
	$408 05

TABLE No. 10.

LUMBER ACCOUNT.

Bridges	$ 319 60
Streets	1,740 96
	$2,060 56

TABLE No. 11.

STONE ACCOUNT.

Crosswalks	$ 546 33
Streets	245 37
	$791 70

[illegible] DOCUMENTS.

[illegible] No. 12.

[illegible] VARIOUS BILLS.

[illegible]	$ 468 00
[illegible]	54 48
[illegible]	395 93
[illegible]	3 88
[illegible]	167 21
[illegible]	129 87
[illegible]	75 00
[illegible]	5 09
[illegible]	18 00
[illegible] street	22 50
[illegible]	5 50
[illegible]	2 31
[illegible]	2,068 18
	$ 3,415 86

[illegible] No. 13.

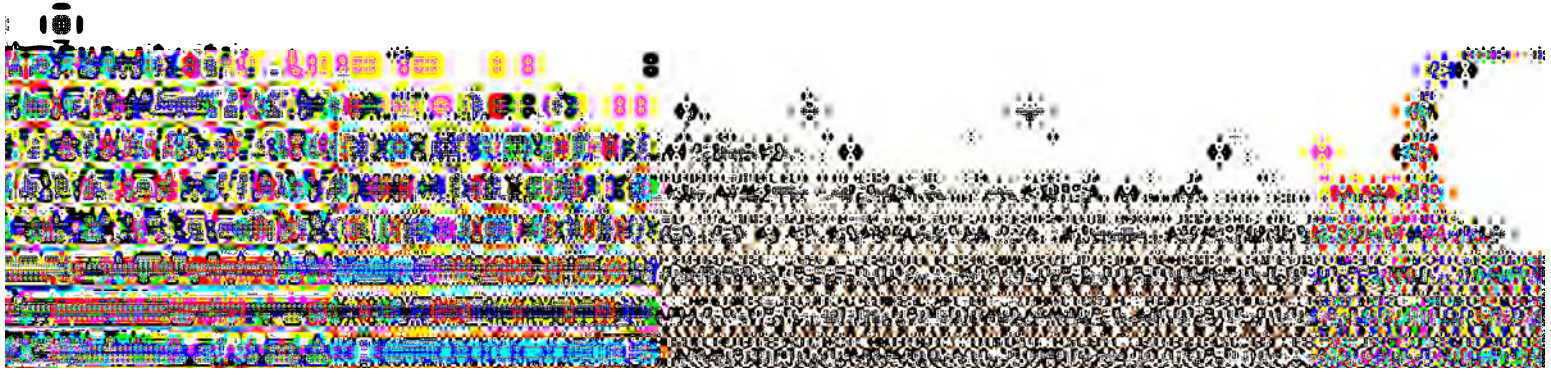
[illegible] OF OFFICERS.

[illegible]	$2,500 00
[illegible]	1,200 00
[illegible]	986 00
[illegible]	759 50
[illegible]	1,608 75
[illegible]	1,018 25
[illegible]	720 00
	$8,742 50

TABLE No. 15.

INVENTORY.

1	Atlas.	5	Hatchets.
1	Black board.	3	Hand axes.
3	Brooms.	1	Iron wedge.
9	Chairs.	4	Ice chisels.
4	Ink stands.	1	Level.
1	Lamp.	1	Leather nozzle.
6	Lanterns.	2	Maddocks.
1	Lumber rule.	1	Oil can.
1	Map of the city of Cleveland.	4	Pavers' Pounders.
1	Mirror.	1	Pulley.
2	Mops.	17	Picks.
5	Office desks.	2	Pike poles.
7	Police badges.	1	Rake.
2	Sprinkling pots.	3	Stone hammers.
2	Stoves.	2	Stone picks.
4	Towels.	8	Shovels.
2	Water pails.	1	Sledge.
1	Water cooler.	2	Steele squares.
1	Augur.	1	Spike maul.
1	Pair tongs.	1	Screw driver.
1	Brass nozzle.	13	Section hose.
9	Crow bars.	3	Tamping bars.
1	Chisel.	1	Tool chest.
2	Hammers.	1	Wooden maul.
30	Feet of Garden hose.	3	Wrenches.
2	Grind stones.	3	Barrows.
2	Gutter lines.		



ANNUAL REPORT

OF THE

BOARD OF PARK COMMISSIONERS,

OF THE

CITY OF CLEVELAND, OHIO,

FOR THE

YEAR ENDING DECEMBER 31, 1882.

REPORT OF

PARK COMMISSIONERS.

OFFICE OF THE PARK COMMISSIONERS,
January 1st, 1883.

To the Honorable, the City Council:

GENTLEMEN—Herewith is submitted the report of the Park Commissioners for the year ending December 31st, 1882.

Balance on hand January 1st, 1882,	$ 751 45
Received from tax levy,	15,741 54
Total,	$16,492 99
Total disbursements,	13,963 94
Balance on hand January 1st, 1883,	$2,529 35

The disbursements are divided as follows:

General expense account,	$ 300 00
Monumental Square,	7,715 08
Lake View Park,	2,709 10
Franklin Circle,	840 71
Clinton Park,	693 47
South Side Park,	952 58
Miles Park,	136 50
Wade Park,	616 50
	$13,963 94

[illegible] nditures is the sum of $6,004 53 for [illegible] ts as follows:

[illegible]—Oratorium, includ- [illegible] structure, plumbing, [illegible] grading, and superin- [illegible]	$5,778 57
[illegible] rs,	78 40
[illegible]	41 40
[illegible] park chairs,	106 20
	$6,004 57

[illegible] nt in history of our public parks was [illegible] d dated September 15th, 1882, by [illegible] transferring to the city as a free gift, [illegible] ng north of Euclid avenue and east [illegible] n streets, containing about seventy- [illegible] as

[illegible]ADE PARK.

[illegible] ced within the boundaries of this [illegible] out by the donor as a park in 1872, [illegible] arge sums of money were expended [illegible] tifying the grounds, which possess [illegible] beauties, peculiarly fitted for pleas- [illegible] riveways and footpaths were made to [illegible] lateau of high ground and through [illegible] orest trees and out into the open sun- [illegible] d been made to span Doan brook, [illegible] course to the lake through the pretty [illegible] m of the favored locality; the garden- [illegible] y called into requisition to supple- [illegible] k, and Wade Park had become recog- [illegible] est spots in the city.

For a number of years past, the park had been thrown open to the public, the ample test of public appreciation being found in the great number of visitors who found pleasure and recreation within its boundaries.

The tender of the deed of gift was made to the City Council, on September 11th, through a special committee appointed by resolution adopted June 26th, 1882.

A resolution of acceptance and of thanks to the donor was unanimously adopted on the date of the tender, and on September 25th the deed was accepted by ordinance.

The following is a copy of the deed as recorded in Volume 341, page 165, Cuyahoga County Records, and in Volume 1, page 129, City Record of deeds:—

THE DEED.

KNOW ALL MEN BY THESE PRESENTS, That I, Jeptha H. Wade of the City of Cleveland, County of Cuyahoga and State of Ohio, being desirous of securing to the citizens of Cleveland for all time the opportunities of re-creating, having, improving and retaining a beautiful and attractive Public Park therein for the benfit of all the people; and being the owner of lands suitable for this purpose situated near the place where several important institutions of learning are about to be permanantly located and on which grounds large expenditures, with a view to such a park have already been made, hereby freely give grant and convey unto the said City of Cleveland and its successors, to have and to hold forever, the following described real property, to wit: situate in the City of Cleveland, Cuyahoga County, Ohio, being parts of lots 394 and 395, and being bounded as follows: referring to accompanying map, which is a part of this description and deed.

Commencing at a stone marked on said map by letters M 2; following the center line eastward on Euclid avenue

and C, to point D, turn an angle
grees and 32½ minutes, extend line
nce line of Euclid avenue, a point
ap; from thence the Wade Park
nd shown by the outer edge of the
its easterly, northerly and north-
d by the curved lines formed by the
ets as set forth on said map, on its
d by the east fence line of Doan
ines marked A 2 to A; and on its
ed by the north fence line of Eu-
survey as shown on accompaying
acres, more or less. It being dis-
the piece marked on said map as
out three and one half acres and
as shown, is not embraced in this

hall follow the boundary curve from
map, and its easterly and notherly
from, and parallel to said curved

ade to the said City of Cleveland for-
ollowing purposes and upon the ex-
ng, to wit: That the said city shall,
f the Park Commissioners and in
with the plan to be adopted by the
approved by me, expend thereon
the first day of January 1883 the sum
ve thousand dollars, in fitting, prepar-
r the purposes herein named; the
hereafter to be kept and maintained
air and condition as to make it an
lace of resort as a Public Park, to be
public; the abutting land owners,

their heirs and assigns to have free ingress and egress through the same, subject however to all rules and regulations prescribed by the Park Commissioners; to be used for no other purpose than a Public Park, and to be called and known forever by the name of WADE PARK.

If fencing shall ever be placed on said park grounds, except along the westerly and southerly boundary it shall be open wrought iron fence. I also reserve for myself and my heirs forever to place and maintain a street railroad in and along the avenues forming the easterly and northerly boundaries of said Park, said railroad to be subject to laws and ordinances of the city, and stipulate that the abutting property owners, their heirs and assigns forever may connect with any water pipe the city may place in said Park at the most proper and convenient places, subject however to water rents and regulations prescribed by the city, and may make all necessary drives and walks to connect with said easterly and northerly avenues.

And if the said city shall fail to comply with the aforesaid stipulations for the expediture of seventy-five thousand dollars, or if the grounds aforesaid, or any part thereof shall be peverted or diverted from the public purposes and uses herein expressed, the said property and every part thereof to revert to me or my heirs forever.

And I, the said Sue. M. Wade, wife of said Jeptha H. Wade do hereby remise, release and forever quit-claim all my right of dower in all of said lands unto the said grantee and its successors forever, on the terms and conditions aforesaid.

In witness whereof we have hereunto affixed our hands and seals at Cleveland, in said County, this 15th day of September, 1882.

J. H. WADE [L.S.]

SUE M. WADE [L.S.]

UMENTS.

in presence of

S. T. EVERETT.

J. H. WADE, JR.

ss.

in and for said county person-
d Jeptha H. Wade and Sue,
that they did sign and seal the
the same is their free act and

ld examine the said Sue M.
h her said husband, and then
ontents of the foregoing instru-
tion she declared that she did
nowledge the same and that she

f, I have hereunto set my hand
t Cleveland, Ohio this 15th day
82.

J. H. WADE Jr.

Notary Public.

the ordinance of acceptance

N ORDINANCE

de Park.

by the City Council of the City
eptha H. Wade has given and
veland certain lands for park
conditions set forth in a deed

from the said Jeptha H. Wade to the City of Cleveland, submitted to the City Council for acceptance September 25th, 1882, now therefore,

SEC. 1. Be it ordained by the City Council of the City of Cleveland, that the said deed of Jeptha H. Wade to the City of Cleveland of the lands therein described, be and the same is hereby accepted, subject to the terms and conditions thereof, that the said lands therein conveyed be and the same are hereby dedicated for a public park, the same to be called and known forever by the name of Wade Park.

SEC. 2. That the said Wade Park be and the same is hereby placed under the control and direction of the Park Commissioners, to be by them maintained in accordance with the provisions of the statutes of the State and of the ordinances of the city, and subject to the conditions of said deed of gift.

SEC. 3. That this ordinance shall take effect and be in force from and after its passage.

On November 14th Mr. E. O. Schwagerl was employed by the Board of Commissioners to make a thorough and complete survey of the newly acquired park, and to prepare all necessary maps, plans, etc. Mr. Schwagerl was at the same time appointed Superintendent of Parks, the appointment to take effect January 1st, 1883.

[illegible]TORIUM.

[illegible]illion which had for a number [illegible]-east quarter of Monumental [illegible] speaker's stand, and from the [illegible]many of the gifted orators and [illegible]omplexion had rung out over [illegible]s torn down, having become [illegible] place was erected a structure [illegible]sign by and under the super- [illegible]he structure is known as the [illegible] capacity to accomodate about [illegible]tal cost, including water and [illegible] canopy was $5,788.57.

[illegible] section of the square in which [illegible] regraded with direct reference [illegible] The surface being rolled and [illegible] the fine Buckeye tree, which for [illegible] center of the section, disclosed [illegible] run; decay had so far done its [illegible] of but few months when its [illegible]ear never to be renewed; it was [illegible] thereupon the wrath of many [illegible]at what they were pleased to

PROSPECTIVE.

From the northern boundary of Wade Park to the southern boundary line of Mr. W. J. Gordon's park Doan Brook winds through a ravine of no inconsiderable natural beauty, which with but very little labor, and comparatively small expenditure, could be made a continuation of Wade Park, adding measurably to its importance in affording a continuous drive-way on the banks of the pretty stream, over four miles in length, and giving to the park an apparent great extent, and in conjunction with Mr. Gordon's park, which is on occasions open to the public, making an uninterrupted park territory from the avenue to the lake. The rough and broken character of the territory referred to, while being peculiarly adapted to the purpose suggested is so far unavailable for other use that the entire strip could, it is believed, be secured, at this time, at small cost. Your Board of Commissioners commend the matter to your consideration. A glance at the map of the eastern portion of the city in which this territory lies, will at once suggest the future possibilities in the direction of a park and lakeside boulevard extending along the entire lake front of the city opening into Euclid avenue, through Wade Park, constituting in its entirety one of the finest drives in the country, if not in the world, an avenue of uninterrupted natural and artificial beauty and magnificence over twelve miles in length. That the project here outlined will be ultimately consummated is believed. The propriety and wisdom of any action in this direction in the immediate future is for your honorable body to determine.

Some preliminary steps have been taken in the City Council during the past year with the view to increasing the park area.

llowing resolution was adopted
sly been recommended by this

esentative in Congress and our
Ohio be and they hereby are re-
age of an act of Congress per-
mit street through the United
unds (so called) in the City of
the use of said hospital grounds
of Summit street, produced by
subject, however, to the rights
al in and to said premises.

vil Engineer be, and he hereby
g of said hospital grounds and
r each of said Senators and said

erk be, and he hereby is directed
enators and said Representatives
h said tracing prepared by the

uncil Committee on Parks and
olution instructed to confer with
tal authorities upon the sub-
n. No results have as yet ac-

by the Council September 25th
ssioners to take possession of a
st of Muirson street, bounded by
e and Superior street." This
oom during the coming sum-

llowing resolution was adopted

Resolved, That a special committee of five of this Council, together with the standing Committee on Parks and Public Grounds be and the same are hereby authorized and requested to confer with Mr. S. S. Stone with a view of securing a suitable location for park purposes west of the Cuyahoga River, and report their findings to this Council.

At the close of the year the committee had presented no report.

Respectfully submitted.

A. EVERETT,

J. H. WADE,

J. M. CURTISS,

Park Commissioners.

W. H. ECKMAN, *Secretary.*

TWENTY-SEVENTH

ANNUAL REPORT

OF THE

BOARD OF

TRUSTEES OF WATER WORKS

TO THE

CITY COUNCIL,

TOGETHER WITH THE

REPORTS OF THE OFFICERS OF THE BOARD,

For the Year 1882,

REPORT OF THE

TRUSTEES OF WATER WORKS.

To the Honorable City Council:

The Trustees of Water Works, in compliance with law, submit their report for the year 1882.

The receipts for water, as shown by the Secretary's report, gives a gratifying increase over the previous year, notwithstanding the reduction made by us in the rate for water furnished by measure. The work of the Department for the year consists mainly in the extension of the main and distributing pipe system, of which a large amount was done. Through the concurrent action of your body a portion of the land has been obtained, by purchase, for the site of the proposed lower level reservoir, and legal proceedings have been instituted to procure the remainder of the land for both high and low service reservoirs, as proposed. Therefore, relying upon your assistance in our efforts, we hope during the ensuing season to contract for all of the work contemplated in the enlargement and extension of the works, so as to supply water to the higher portions of the city, and also to construct as much of the same as may be deemed advisable, having in view both the character of the work and necessities of the public, to accomplish which we shall soon be

[illegible] and sale of the bonds of the [illegible] of such amount as the progress [illegible] ork may require.

[illegible] the works, we submit the ac- [illegible] Secretary and Superintendent [illegible]

[illegible] submitted.

S. W. SESSIONS,
W. H. LUTTON,
WALTER BLYTHE,
[illegible] of Trustees of Water Works.

[illegible] 883.

SECRETARY'S REPORT.

To the Board of Trustees of Water Works:

I hereby respectfully submit my report, as Secretary, for the year 1882.

The receipts for water, including permits, less

amount refunded, is - - -	$251,994 46
The net amount of expenses and repairs is -	65,693 03
Leaving the net earnings - -	$186,301 43

The comparative amounts with the previous year, are

Increase of receipts for water, - -	$15,772 59
Increase of expenses and repairs, - -	676 77
Increase of net earnings, - -	$15,095 82

The receipts and disbursements of cash for the year, including balances as shown by the books of this office, are as follows:

[illegible] CUMENTS.

[illegible] PTS.

[illegible] refunded	$146,284 38
[illegible]	101,348 08
[illegible]	4,362 00
[illegible]	100,000 00
[illegible]	62 50
[illegible]	5,334 56
[illegible]	690 00
[illegible]	237 00
[illegible] refunded	185 95
[illegible]	65 09
[illegible]	27 00
[illegible]	$358,596 56
[illegible]	53,256 74
[illegible]	1,541 81
[illegible]	$413,395 11

[illegible] SEMENTS.

[illegible]	$277,369 21
[illegible] etc	8,946 12
[illegible]	963 27
[illegible]	32 18
[illegible]	177 00
[illegible]	31,985 50
[illegible]	11,229 48
[illegible]	36,544 95
[illegible]	22,002 52
[illegible]	6,043 79
[illegible]	1,883 86
[illegible] asury	$397,127 88
[illegible], 1883	15,023 89
[illegible]	1,243 34
[illegible]	$413,395 11

and all
by the
883; and
ubject to

in water
receipts,

	$ 40 00
	16 81
	458 22
	100 00
	78 75
	6 25
	74 15
	115 75
	113 15
	23 34
	48 72
	37 67
	32 50
	42 50
	71 82
	71 61
	88
	145 53
	185 95
	25 00
	100 00
	607 36
	67 72
	3 13
	27 00
	15 80
	8 04
	62 10
	1,589 79

MENTS.

pipe	590 97
	27 00
mp	50 00
line	27 00
er	88
	100 00
ters	54 00
nection	117 51
pe	73 23
	63 10
ng connection	67 23
tions	116 55
delbert College	91 11
ire hydrant	15 26
tion	75 44
nnection	27 01
	20 60
	28 77
	1 00
king connection	25 06
nging connection	34 19
	100 00
ng connection	65 82
d by him	10 00
	29 58
	27 00
	59 32
	76 38
ent pipe	1 50
	68 19
	22 81
	11 45
ers	81 00
	100 00
cted of J. Marshall	100 00
year	16 00
	$6,539 60

	Credit.
[illegible]	$1,399,594 34
[illegible]	900,000 00
[illegible]	925,000 00
[illegible]	48,071 26
[illegible]	$3,272,665 60

[illegible] have been [illegible] one hundred [illegible] ing interest [illegible] per annum, [illegible] dollars and [illegible]

[illegible] 2 on Water [illegible] terest fund [illegible] dollars will [illegible] uch interest [illegible] interest so [illegible]

[illegible] res for run- [illegible] ion of lake [illegible] he earnings [illegible]

MENTS.

Running Expenses.	Repairs.	Receipts less expenses and repairs.
29,845 49	$ 2,906 08	$ 1,687 16
7,683 80	1,734 38	7,375 42
7,768 36	1,350 84	7,978 65
8,086 19	1,291 29	13,353 05
10,011 96	835 54	12,573 80
13,573 26	1,953 49	17,862 74
17,346 56	1 382 21	22,159 24
14,277 13	8,818 77	22,267 89
14,246 06	3,685 79	33,930 60
17,304 32	3,653 43	36,340 23
18,880 13	3,299 56	40,690 03
19,725 24	9,823 99	40,861 95
24,382 16	10,155 33	45,949 95
26,951 65	6,953 49	56,338 82
38,218 30	3,673 07	66,539 63
48,951 79	9,515 99	57,965 30
57 830 17	11,566 26	45,205 70
51,481 50	15,966 86	73,487 42
50,571 46	20,673 36	81,549 86
47,183 44	22,453 91	90,488 35
44,616 59	11,182 61	126,374 13
47,618 76	8,296 13	146,463 03
56,430 19	8,586 07	171,205 61
57,857 47	7,835 56	186,301 43

as affected by a reduction
ater furnished by meter meas-
t at the semi-annual collec-
in that collection to not less

tted,

HAWKINS, *Secretary.*

[illegible] Engineer.

[illegible] of your [illegible] ed.

[illegible] of another [illegible] only work [illegible] mer braces, [illegible] and some [illegible] call your [illegible] on the near [illegible] structure, as [illegible]

[illegible] condition, [illegible] r from ice [illegible] December, [illegible] an equal to [illegible] noted.

[illegible] CUMENTS.

[illegible] INGS.

[illegible] been necessary on any of the [illegible] been necessary has been done [illegible] Works.

[illegible] EMENT.

[illegible] commenced in the spring of [illegible] past season. The cost of the [illegible] as follows:

[illegible] ney and founda- [illegible]	$28,815 79
[illegible] three boilers,	59,850 35
[illegible]	9,577 43
[illegible] et,	79,129 54
[illegible]	$177,373 11

[illegible] ,000.

[illegible] e laid in connection with this [illegible] ,708.73, was laid during the [illegible] in the length of that size of [illegible] main pipes. The cost of the [illegible] follows:

[illegible]	$177,373 11
[illegible] that above noted,	131,565 21
[illegible] provements,	$308,938 32

[illegible] was increased only to the ex- [illegible] these improvements; the bal- [illegible] urplus income of the Depart- [illegible] e years of construction.

[illegible] INERY.

[illegible] ort of Mr. Doty, engineer in [illegible] ll the different engines and

s recom-
s of the
annot be

omplaints
the west
ate vicin-
gly dis-
was com-
r drawn
eaned by
, no fur-
r several
and odor.
ame time,
was thus

mpt from
very town
the same
into the
s, by ex-
accepted,
natic veg-
the water.
r at such
us to health.

pumping
streets in
e streets,
llson ave

from Scovill to Quincy street. laid in Willson avenue from , where it is connected with a main of that size is to extend eservoir.

rio and Superior streets, a 20- een the 30-inch and old 20-inch was made at Erie street and anch was laid in Euclid ave- or extension east at any time et and Scovill avenue, a 12- nd one of 16 inches laid south -inch pipe in Scovill avenue 16-inch branch. A 30-inch avenue, south of Scovill, to me size, running across the city, may be connected at some fu- as also put in the main of that lson avenue, providing for an- To these branches other mains se in the use of water may re- e supply to make new connec-

n pipe laid was 15,003 feet, at ng gates, special castings, and to complete the same, making The length of 24-inch main st of $7,056 50 or 6.99 3-10 per pes was, therefore, $144,273.94, 00.

of 20-inch, and seventy-three during the year 16,113 feet, n, besides 955 feet of 16-inch the same length of wrought

sterly line
ground,
that laid
been a
the year.
care and
ting and

16 inches

y 30-inch
supply of

ent sizes,
the year,
that kind
added to
et.
elaid.
pe, it will
n lowered
gregate, a

es, having
o a depth
of trench
28 miles.

this num-
defective

CUMENTS.

se is 2,741. Of these 79 are
hich were set during the past

YDRANTS.

public fire hydrants, 140 of
past year, and 26 have been
sizes.
give detailed information re-
ribed.

E PIPES.

connections made with the dis-
addition to these 62 abandoned
e total number of connections
There are 1,569 connections
nded beyond the stop-cock and
number in use on the last day
increase for the year of 1,437.

S MADE IN 1882.

- - -	1316
- - -	13
- - -	13
- - -	2
- - -	4
- - -	18
- - -	14
- - -	12
- - -	1392

[illegible]	13637
[illegible]	427
[illegible]	135
[illegible]	9
[illegible]	32
[illegible]	117
[illegible]	2
[illegible]	55
[illegible]	77
[illegible]	1
[illegible]	14492

[illegible] These, [illegible] total of 702 [illegible] motors, to [illegible] ording the [illegible] number of

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4 in.	Tot'ls
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68	8	668
[illegible]	[illegible]	[illegible]	[illegible]	7	[illegible]	[illegible]	.....	.....	10
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	.....	6
[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	.....	.....	2
[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]	[illegible]	.....	.....	16
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39	8	702

y of water measured in 1882 gallons. The total quantity 41,250 gallons — being an av- r day, or a little more than one-

may be used daily by the pay- ifferent sums named, is shown

Semi-annual Payment.	Gallons per day.
$16 00	880
18 00	989
20 00	1,098
22 00	1,207
24 00	1,320
26 00	1,428
28 00	1,536
30 00	1,648

BUTION

r pumped during the year 1882 cing a decrease of 352,670,827 gallons per day from the year he number of water takers was the decrease in the quantity o 7 27-100 per cent.

part, to each of the following winter weather during the year, w water to run to keep service ld summer weather, with fre- uantity of water required for nd lastly, to the saving of waste where meters were set, and in-

upon others

ighborhood,
other water
al to guard
ys for water
ater meters,
meters, will
commodity.
rally, those

feet high

oir at Fair-
the land has
been com-

pecifications
he work may

nsion of the
h it can be
n of it under
see no good
than may be
let the con-

ts be let as

the low ser-
ch main from
ice reservoir;

[illegible] d boilers; for the extension of [illegible] mping works; for a ten million [illegible] ree boilers for the low service [illegible] as plans and specifications can [illegible] tion of the high and low ser- [illegible] ice engine and boiler house.

[illegible] works under construction, the [illegible] pleted that water may be fur- [illegible] trict within two years.

[illegible] s for pipe, carried over from [illegible] anted on account of the late [illegible] eceived, will, if granted, enable [illegible] y beginning.

[illegible] nt of work of this nature that [illegible] during the year, I would sug- [illegible] season's supply of distributing [illegible] n be received.

[illegible] d will enable you to lay a large [illegible] thus afford water facilities to [illegible] supplied.

[illegible] sted.

JOHN WHITELAW,

Superintendent and Engineer.

[illegible] 1883.

[illegible]RGE

[illegible]ty uneven-
[illegible] machinery
[illegible]pon this de-
[illegible] immediate

[illegible]son engines
[illegible] for repairs.
[illegible] shops this
[illegible]ature of the
[illegible] pistons and
[illegible]ow the pis-
[illegible]ylinder, just
[illegible] to hold the
[illegible] mechanical
[illegible]n of the en-
[illegible]ange highly
[illegible]ount of un-
[illegible]een applied
[illegible] piston was
[illegible]essary. At
[illegible] shall make

No. 1 Worthington Engine.

Continues to give good satisfaction. Six and a half years of of almost constant work has failed to develop any of the defects pointed out by those self-styled mechanical engineers who advertized their ignorance so extensively through the city papers at the time these engines were in course of erection.

No. 2 Worthington Engines.

At the date of my last annual report No. 2 engine had just been started to see that everything was in working order, previous to putttng the walnut lagging upon the cylinders, &c., since that time they have been completed in a manner highly complimentary to the builders, and satisfactory to those in charge. Reference to the tables showing duty of the separate engines will show a duty for these engines much greater than No. 1 has shown. Much of this difference is due to improvements upon the engines, but the greater share can be attributed to the great evaporating power of the boilers attached to this engine.

The Cornish Engines.

These old patriarchs still occupy a prominent place on our list of machinery. Their days of usefulness, however, are about numbered, unless steps are taken to lower their suction pipes. The reasons for this are clearly set forth in my annual report for 1881, and the practicability of doing it has been carefully considered by your superintendent and myself, in which we agree that it can be successfully done. With this accomplished, many years of valuable service may reasonably be expected. They are in good repair and running whenever the demand will admit.

[illegible] viously re-
[illegible] e Repairs.
[illegible] ld be made
[illegible] e of which
[illegible] department

[illegible] t year, viz,
[illegible] x Cornish,
[illegible] necessary
[illegible]

[illegible] building,
[illegible] edy for this

[illegible]

[illegible] d to our in-
[illegible] was recom-
[illegible] by at least
[illegible] r the same.
[illegible] t prompted
[illegible] me dangers
[illegible] run every
[illegible] re, in view
[illegible] in time for
[illegible] d that the
[illegible] that these
[illegible] y valuable
[illegible] d resetting
[illegible] steam pipe
[illegible] additional

[illegible] row another safeguard around [illegible] is circumstances.

[illegible] year confirm my opinions, as [illegible] 881, in regard to a new ten [illegible] lers, boiler house, etc. I am [illegible] ated in connection with the [illegible] nsion of the works, but as we [illegible] enefits of all these improve- [illegible] s, I would suggest that the [illegible] ts should receive your earliest [illegible] reservoir. If the new res- [illegible] me, the present pumping ca- [illegible] ome time to come, but with [illegible] chinery held in reserve of a [illegible] of the maximum quantity of [illegible]

[illegible] of water pumped and coal con- [illegible] of coal consumed and water [illegible] ract price of coal, coal con- [illegible] ising one million gallons into [illegible]

[illegible]	[illegible]	Per cent. of water pumped by the different engines.	Per cent. of coal consumed by the different engines.	Per cent. of coal consumed pumping 1,000,000 gallons of water into reservoir.	Contract price of coal, per ton.	Cost of raising 1,000,00 gallons into reservoir.	Year.
[illegible]	[illegible]	48.15	46.19	32.99	$1.45	$2.39	1882
[illegible]	[illegible]	34.94	28.43	27.97	"	2.03	"
[illegible]	[illegible]	15.84	24.02	52.13	"	3.78	"
[illegible]	[illegible]	1.07	1.36	44.04	"	3.19	"

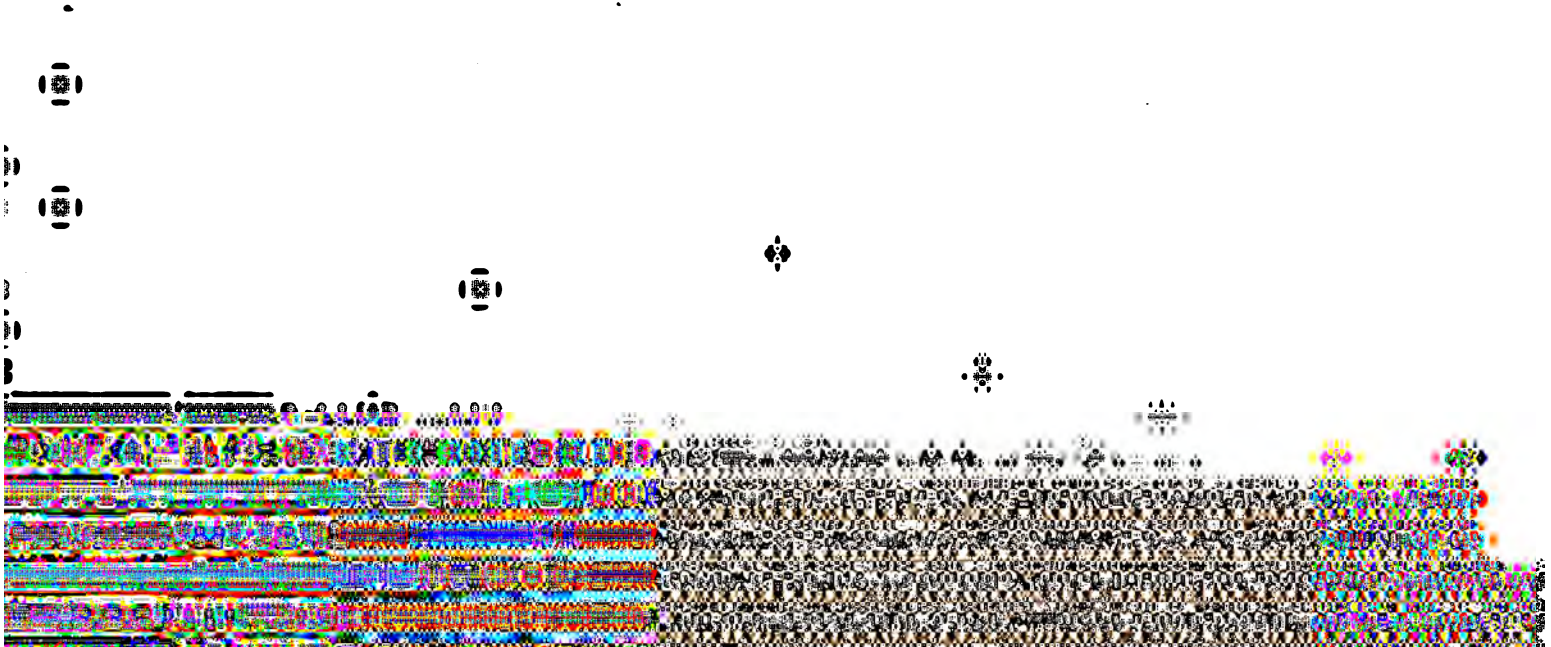
op has been
bellows, anvil,
s to such an
be same at
will doubtless
necessities re-

the different
the work done
nded, to which

r in Charge.

[illegible] BY [illegible]

[illegible] showing the [illegible] and laying [illegible] and hydrants



SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1882.

Side.	Size.	Street.	Between what points.	Feet Laid.	Total.	Remarks.
West	30 in.	Brownell	From E. end of 30 in. bend at Euclid ave. to 30 in. valve at Scoville ave	2,079		
West	30 in.	Erie	From E. end of 30 in. bend at Superior st. to S. end of 30 in bend at Euclid ave	825		
South	30 in.	Euclid	From S. end of 30 in. bend at Erie st. to E. end of bend at Brownell st	1,382		
North	30 in.	Scovill ave	From valve at Brownell st. to 30 in. T at Willson ave	7,257		
South	30 in.	Superior	From 55 ft. E. of Water st. to Public Square to connect with pipe laid in 1880	1,826		
South	30 in.	Superior	From 60 ft. W. of E. side Public square to E. end 30 in. bend at Erie st	1,404		
East	30 in.	Willson ave	From T at Scovill ave to S. L. of Scovill ave. from the east	98		
East	30 in.	Willson ave	From T at Scovill ave. to angle of Y at Quincy st	632		
East	24 in.	Euclid ave	From W end of Y at Quincy st. to N. end of 24 in. cross at Garden st	1,009	15,003	
					1,009	

North	16 in.	Ohio	From 28 ft. E. of Woodland ave. to 6 ft. W. of Erie st.	468		
West	12 in.	Forest	From 30 in. to 16 in. cross in Scovill ave. to 12 ft. N. of Scovill ave	31	1,028	Relaid C.
					31	
North	10 in.	Euclid ave	From pipe in Fairmount st. to E. L. of Adelbert ave	1,372		
West	10 in.	Forest	At Scovill ave. to connect 16 in. and 10 in. pipes	18		
South	10 in.	Prospect	From 244 E. of Perry st. to W. L of Sterling ave	1,693		Relaid C.
South	10 in.	Prospect	From E. L. of Sterling ave. to pipe in Case ave	2,591	5,674	
West	8 in.	Adelbert ave	From pipe in Euclid ave., south	1,052		
West	8 in.	Bolton ave	From 6 ft. south of Euclid, south, to 1,618 ft. south of Cedar ave	2,937		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1882—Continued.

Side.	Size.	Street.	Between what points.	Feet Laid.	Total.	Remarks.
South	8 in.	Cedar ave	From W. L. of south Dunham ave to pipe in south Dunham	31		
South	8 in.	Clark ave	From Cross in Ash to cross in Gordon ave	2,976		
East	8 in.	Custead ave	From 31 ft. N. of Euclid ave., north	1,283		
East	8 in.	Erie	From pipe in Lake st. to N. L St. Clair st	610		
East	8 in.	Erie	From pipe in Superior st. to cross in Prospect st	1,459		
East	8 in.	Erie	From cross in Prospect to 6 ft. N. of S. L. of Eagle st	972		C. & I. relaid, 4 in. to 8 in.
South	8 in.	Eagle	From 8 in. pipe in Erie west to connection valve	19		C. & I. relaid, 4 in. to 8 in.
South	8 in.	Garden	From pipe in Brenton st. to 339 ft. W. of Giddings ave.	730		
South	8 in	Garden	From pipe in Second ave to pipe in South Dunham ave.	704		
South	8 in.	Garden	From pipe in First ave., west	191		
East	8 in.	Gordon ave	From pipe in Lorain st. to pipe in Clark ave	1,841		
North	8 in.	Hamilton	From 8 in. pipe in Lawrence st., east to 4 in. pipe	12		
South	8 in.	Lake	From pipe in Case ave. east to 548 ft. east of Belden st	1,617		
South	8 in.	Lake	From pipe in Marquette st. to 24 ft W. of Marquette st	80		

SCHEDULE SHOWING THE EXTENSIONS OF WATER PIPE IN 1882—Continued.

Side	Size	Street	Between what streets	Length	Total	Remarks
East	8 in.	Madison Ave	From 4 ft. Woodward ave., south			
East	8 in.	Seneca	From S. L. of Rockwell to 36 ft. south of St. Clair st	344		
East	8 in.	Seneca	From S. L. of St. Clair st., south	36		Relaid, 4 in. to 8 in. I.
	8 in.	Superior	To connect 30 in. & 8 in Pipe, 25 ft. east of Public Sq.	36		
South	8 in.	St. Clair	From pipe in Willson ave to pipe in Marquette st	233		
	8 in.	Wade Park	From pipe in Euclid ave. to N. L. of Euclid ave. and 290 ft. E. of Stearns ave	37		
West	8 in.	Willson ave	From S. L. of St. Clair to cross in St. Clair St	45	22,139	
West	6 in.	Alabama	From N. L. of Lake st, north	178		Relaid, 4 in. to 6 in. I.
East	6 in.	Baden	From pipe in Quincy st. to pipe in Garden st	1,059		
North	6 in.	Beaver	From pipe in Ocean st. to pipe in Pier st	208		
East	6 in.	Belden	From S. L. of Payne ave. to pipe in Mason st	1,289		

SCHEDULE SHOWING THE EXTENSION OF WATER PIPE IN 1882—Continued.

Side.	Size.	Street.	Between what points.	Feet Laid.	Total.	Remarks.
East	6 in.	Belden	From pipe in St. Clair st. to N. L. of Superior st	1,082		
South	6 in.	Bolivar	From pipe in Erie st. to E. L. of Erie st	45		Relaid, 4 in. to 6 in. I
		Bolton allotment				
East	6 in.	1st st. W. of Giddings ave	From pipe in Garden st., south	28		
West	6 in.	Brenton	From pipe in Garden st. to 150 ft. S. of Cedar ave	1,359		
East	6 in.	Brown	N. L of Woodland ave. to pipe in Platt st	778		
South	6 in.	Burwell	Cross in Forest st. to T in Case ave	1,089		
East	6 in.	Case ave	Cross in Hamilton st. to T in Lake st	510		
East	6 in.	Case ave	From 15 ft. N. of S. L. King st., north	299		
South	6 in.	Castle ave	From cross in Jennings ave. to 12 ft. W. of E. L Abram st	702		
East	6 in.	Cemetery	From pipe in Quincy st. to N. L. of Scovill ave	584		
East	6 in.	Case ave	From pipe in Prospect st. to N. L. of Prospect st	46		Relaid, 6 in. I and 6 in. C.
East	6 in.	Chapel	From pipe in Scovill ave., south	32		
North	6 in	Cook	From T in Burton st to 16 ft. W. of Burton st	52		Relaid, 4 in. to 6 in. I.
North	6 in.	Cook	From 16 ft. W. of Burton st. to E. L. of Harbor st	763		

Side.	Size.	Street.	Between main points.	Feet.	Remarks.
West	6 in.	Giddings ave	From cross in Quincy to cross in Garden st	1,012	
East	6 in.	Grove	From pipe in Orange st. to pipe in Croton st	600	
East	6 in.	Guernsey	From S. L. of Lorain st., south	424	
East	6 in.	Hayward	From pipe in Prospect st. to S. L. of Prospect st	81	
East	6 in.	Independence	From pipe in Broadway to 100 ft. E. of Holly st	1,343	
West	6 in.	Jennings	From S. L. of Jerry st. to 138 ft. N. of Clark ave	924	
South	6 in.	Jerry	From T in Scranton ave. to cross in Jennings ave	1,331	
East	6 in.	Kirtland	From pipe in Payne ave. to T in East Court	547	
West	6 in.	Liberty	From N. L. of Lorain to 599 N. of Bridge st	1,595	

		Payne allotment			
North	6 in	1st street N. of Euclid	From pipe in Perry st. east	27	
North	6 in	2d street N. of Euclid	From pipe in Perry st. east	27	
East	6 in.	Nursery	From pipe in Finn st. north	1,156	
West	6 in	Ocean	From T in Woodland ave. to 14 ft. S. of Woodland ave	46	Relaid, 4 in. to 6 in I.
West	6 in.	Ocean	From 14 ft. S. of Woodland ave. to 11 ft. south of N.L. of Bushnell st	916	

Side	Size	Street	Between			
West	6 in	Russell ave	From N. L. Euclid ave. to S. L. of Hough ave	1,494		
East	6 in.	Slater ave	From pipe in Quincy st. to N. S Woodland ave	1,988		
North	6 in	Scovill ave	From cross in Florence st. to W. L Dike st	293		
East	6 in.	Second ave	From pipe in Garden st. to N. L. Garden st	54		
East	6 in.	Sawtell ave	From 12 ft. S. of Woodland ave., south	7		
East	6 in.	Schieley Court	From 486 ft. N. of E. Prospect st., north	131		
South	6 in.	Sibley	From pipe in Sterling ave. to E. L. Sago st	516		
South	6 in.	Sixth ave	From 6 ft E. of Willson ave	860		
East	6 in.	South Dunham ave	From pipe in Garden st. to pipe in Willson ave	1,723		

MENTS.

		For Hydrants		166	
South	4 in	Church	From pipe in State st. to pipe in Duane st	629	44,900
East	4 in	Duane	From pipe in Church st. to hydrant at Detroit st	169	
South	4 in	East Court	From T in Kirtland st., east	402	

Side.	Size.	Street.	Between what points.	Cost.	Total.	Remarks.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
For Hydrants					6	
					289	
					98,893	

[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]	[illegible] "	McLean street	" S. E. of Lorain st. [illegible]	[illegible]	
16 "	16 "	Ohio street	" 28 ft. E. of Woodland av. to 6 ft. W. of Erie st	468	
4 "	6 "	Ocean street	" T in Woodland av. to 14 ft. S. of Woodland av	46	

[illegible]

67,706 " " Distributing Main in 1882 .... [illegible]

88,819 " " Mains in 1882 .... " " 15 " 4,619 "

10,074 feet of Pipe taken up and relaid of all sizes ....equal to 1 mile—4,794 feet.

S.	6 "	Clinton street	" Taylor street to Liberty street	670
S.	6 "	Detroit street	" Pearl street to Kentucky street	2,270
S.	6 "	Detroit street	" Pearl street east	200
		Detroit street intersections		171
W.	4 "	Erie street	From Lake street to St. Clair street	590
E.	10 "	Erie street	" St. Clair street to Superior street	700
W.	4 "	Erie street	" Superior street to Euclid avenue	760
E.	6 "	Erie street	" Eagle street to Woodland avenue pipe	1,150
		Erie street intersections		512
		Euclid ave. intersection at Kennard st		56
N.	6 "	Euclid avenue	From Case avenue to Kennard street	700

1	30 "	" "	"	On E. L. of Forest st. and 27 ft south of N. L. of Scovill ave.....
1	30 "	" "	"	5 ft. 10 in. W. of Willson ave. and 27 ft. S. of N. L. of Scovill ave.
1	30 "	Willson avenue.....	East.	On E. L of Scovill from the east and 33 ft. W. of E. L. of Willson av.
1	30 "	" "	"	On S. L. of Quincy street and 33 ft west of E. L. of Willson ave..
9	30 in.	Total 30 inch valves.		
1	24 "	Willson avenue.....	East.	N. L. of Quincy st. and 33 ft. west of E. L. of Willson av.....
1	20 in.	Detroit street....	North.	65 ft. east of Hanover st., taken out.....
1	20 "	Euclid avenue..		22 ft. west of E. L. of Erie st. and 48 ft. N. of S. L. of Euclid av...

1	8 "	Adelbert avenue	West.	On S. L. of Euclid avenue
1	8 "	Bolton avenue	"	On N. L. of East Prospect street
1	8 "	Bolton avenue	"	On S. L. of Cedar avenue
1	8 "	Bolton avenue	"	1,199 feet south of Cedar avenue

1	8 "	Erie street	"	On S. L. of Lake street
1	8 "	Erie street	"	On S. L. of Superior street
1	8 "	Erie street	"	On N. L. of Euclid avenue
1	8 "	Erie street	"	On N. L. of Prospect street
C 4to8 in1	8 "	Erie street	"	4 feet south of Huron street
1	8 "	Erie street	"	On S. L. of Bolivar street
1	8 "	Garden street	South.	On W. L. of Giddings avenue
1	8 "	Garden street	"	On E. L. of Giddings avenue
1	8 "	Garden street	"	On E. L. of Ashland avenue
1	8 "	Garden street	"	On E. L. of South Dunham avenue
1	8 "	Gordon avenue	East.	On S. L. of Lorain street
1	8 "	Gordon avenue	"	On S. L. of Prague street

1	8 "	Marquette street	East.	On N. L. of St. Clair street
1	8 "	Marquette street	"	On N. L. of Lake street
1	8 "	East Madison avenue	"	On S. L. of Woodland avenue
1	8 "	Ontario street	West.	29 ft. N. of S. L. of Public Square and 44 ft. E. of W. L. of Ontario
1	8 "	Superior street	South.	26 ft. E. of Public Square and 54 ft. N. of S. L. of Superior st.
1	8 "	St. Clair street	"	On W. L. of Willson avenue

1	6 "	Baden avenue	"	On south line of Garden street
1	6 "	Belden street	"	On north line of Mason street
1	6 "	Belden street	"	On south line of St. Clair street
C 4to6 in1	6 "	Bolivar street	South.	On east line of Erie street
1	6 "	Bolton allotment or 1st St. W. of Giddings avenue at Garden street	East.	2 feet south of Garden street
1	6 "	Brenton street	West.	On north line of Garden street
1	6 "	Brown street	East.	On north line of Woodland avenue
1	6 '	Brown street	East.	On south line of Platt street
1	6 "	Burwell street	South.	On east line of Forest street
1	6 "	Burwell street	South.	On west line of Case avenue

SCHEDULE SHOWING SIZE, NUMBER AND LOCATION OF STOP GATES SET IN 1882.—Continued.

No.	Size.	Street.	Side.	Location.	Remarks.
1	6 in.	Case avenue	East.	On south line of Lake street	
1	6 "	Castle avenue	South.	On west line of Jennings avenue	
1	6 "	Castle avenue	South.	On east line of Abram street	
1	6 "	Cemetery street	East.	On south line of Quincy street	
1	6 "	Chapel street	"	On south line of Scovill avenue	
C 4to6in.1	6 "	Cook street	North.	On west line of Burton street	
1	6 "	Cook street	"	On east line of Harbor street	
1	6 "	Dare street	West.	On north line of Bridge street	
1	6 "	Dare street	"	On south line of Bridge street	
1	6 "	Dare street	"	On south line of Duke street	
1	6 "	Dare street	"	On north line of Lorain street	
1	6 "	Edwards street	East.	On north line of Woodland avenue	
1	6 "	Elizabeth street	North.	On west line of Willson avenue	
C 4to6in.1	6 "	Erie street	East.	On south line of Eagle street	
1	6 "	Finn street	South.	On east line of Broadway	
1	6 "	First avenue	East.	On south line of Quincy street	
1	6 "	First avenue	"	On north line of Scovill avenue	

				Side.	Location
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	6 "	Independence street	North.	On west line of Holly street	
1	6 "	Jennings avenue	West.	On north line of Castle avenue	
1	6 "	Jerry street	South.	On west line of Jennings avenue	
1	6 "	Jerry street	"	On east line of Abram street	
1	6 "	Jerry street	"	On east line of Scranton avenue	
1	6 "	Kirtland street	East.	On north line of Payne avenue	
1	6 "	Liberty street	"	On north line of Lorain street	
1	6 "	Liberty street	West.	On south line of Bridge street	
1	6 "	Liberty street	East.	On north line of Bridge street	
C 4to6in.]	6 "	Linden street	"	On north line of Woodland avenue	
C 4to6in.]	6 "	Long street	South.	On east line of South Water street	

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] street	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] street	[illegible]	[illegible]
1	6 "	North Perry street	"	On south line of Payne avenue
1	6 "	North Perry street	"	On north line of Euclid avenue
1	6 "	Payne allotment or 1st st. north of Euclid ave.	North.	On east line of North Perry street
1	6 "	Payne allotment or 2nd st. north of Euclid ave.	"	On east line of North Perry street
1	6 "	Nursery street	East	On north line of Finn street
1	6 "	Nursery street	"	On north line of Glazier street

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	6 "	Pearl street	"	On north line of Franklin avenue
1	6 "	Pearl street	"	On south line of Church street
1	6 "	Richland avenue	"	On north line of Quincy street
1	6 "	Richland avenue	"	On south line of Garden street
1	6 "	Russell avenue	West.	601 feet south of Hough avenue
1	6 "	Slater avenue	East.	On south line of Quincy street
1	6 "	Slater avenue	"	On north line of Scovill avenue
1	6 "	Slater avenue	"	On south line of Scovill avenue
1	6 "	Slater avenue	"	On south line of Cypress street
1	6 "	Slater avenue	"	On north line of Woodland avenue
1	6 "	Scovill avenue	North.	On east line of Florence street
1	6 "	Sibley street	South.	On east line of Sterling avenue

1	6 "	Washington street.....	"	On east line of Weddell street.....
1	6 "	Washington street.....	"	On west line of Weddell street.....
1	6 "	Water street	East.	On south line of Front street, from the west.....
1	6 "	Woodland Court	"	On south line of Woodland avenue.....

No.	Size.	Where.	Side.	Location.	Remarks.
1	4 "	Church street	South.	On west line of State street	
1	4 "	Church street	"	On east line of Duane street	
1	4 "	East court	"	On east line of Kirtland street	
1	4 "	East court alley	West.	On south line of East court	
1	4 "	Lawrence street	East.	31 ft. S. of N. L. of Hamilton st, and 27 ft. W. of E. L. of Lawrence	
1	4 "	Sked street	West.	On north line of Marion street	
1	4 "	Sked street	"	On south line of Garden street	
1	4 "	Seneca street	East.	36 ft. south of St. Clair st. and 46 ft W. of E. L. of Seneca street	
159	4 "	For hydrant and cistern	Connecti	ons.	
167	4 in.	Total 4 inch valves			

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total in use December 31st, 1882.....	1	32	8	17	21	19	96	239	802	1,279	226	2,740

1	4 "	" "	1,618	" " "	
C 3 to 4 in. 1	4 "	Bank		At Lake street	"
1	4 "	Baden	470	North of Quincy street	East.
1	4 "	Belden	365	South of Payne avenue	"
1	4 "	"	359	North of Mason street	"
1	4 "	"	329	South of St. Clair street	"
1	4 "	"	349	North of Superior street	"

1	4 "	" "	6	South of Platt street	"
1	4 "	Burwell street	4	West of Short street	South.
1	4 "	" "	220	West of Case avenue	"
1	4 "	Clark avenue	50	West of Elk street	"
1	4 "	" "	6	East of Iona street	"
1	4 "	" "	56	West of Poplar street	"
1	4 "	" "	168	West of Hamburg street	"
1	4 "	" "		At Train street	"
1	4 "	" "	152	West of Alum street	"
1	4 "	Custead avenue	453	North of Euclid avenue	East.
1	4 "	" "	235	North of Crawford street	"

1	4 "	"	"	201	" Bridge street	
1	4 "	"	"	579	" " "	"
1	4 "	"	"	168	South of Franklin avenue	"
1	4 "	Davies street		329	Norih of Broadway	East.

Size	Street.	Feet.		
	Charles street		North of Broadway	
				North.
1	4 "	" "	208	West of Aubert avenue	"
1	4 "	" "	44	East of Case avenue	"
C 3 to 4 in. 1	4 "	" "		At Kennard street	"
1	4 "	Edwards street	461	North of Woodland avenue	East.
1	6 "	Erie street		At S. L of Lake street	"
1	6 "	" "	132	South of Walnut street	"
1	6 "	" "	28	South of Euclid avenue	"
1	6 "	" "	10	North of Huron street	"
C 3 to 4 in. 1	4 "	" "	143	South of Bolivar street	"
C 3 to 4 in. 1	4 "	" "		At Eagle street	"
C 3 to 4 in. 1	4 "	" "		At Ohio street	"
C 3 to 4 in. 1	4 "	" "		At Woodland avenue	West.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	4 "	" "	188	South of " "	"
1	4 "	" "	3	North of Clark avenue	"
1	4 "	Giddings avenue	114	North of Montgomery street	East.
1	4 "	" "	14	South of Garden street	West.
1	4 "	Grove street	237	North of Croton street	East.
1	4 "	Guernsey street	434	South of Lorain street	"

No.	Size.	Street.	Feet.	Location.	Side.
1	4 "	"		At E. L. of Newell street	"
1	4 "	Kirtland	76	South of East Court	East.
C 3 to 4 in. 1	4 "	Kennard		At Woodland avenue	West.
1	4 "	Lake	294	East of Case avenue	South.
1	4 "	"	272	West of Belden street	"
1	4 "	"	120	East of Belden street	"
1	4 "	"	548	" " "	"
C 3 to 4 in. 1	4 "	Lorain		At York street	North.
1	4 "	"		At Ward street	"
C 3 to 4 in. 1	4 "	"	21	East of Penn, from 70 ft. W. of Penn	"

DOCUMENTS.

1	4 "	Nursery	202	At S. L. of Glazier street	"
1	4 "	"	366	North of " "	"

1	4 "	Public Square	60	West of Ontario street	South.
C 3 to 4 in. 1	4 "	Pearl	275	North of Franklin avenue	East.
C 3 to 4 in. 1	4 "	"	19	South of N. L. Carroll street	"
1	4 "	Prospect	359	East of Perry street	South.
C 3 to 4 in. 1	4 "	"	784	East of Perry street, (80 feet of Old Hydrant)	"
C 3 to 4 in. 1	4 "	"	756	West of Sterling avenue, (171 feet west of Old Hydrant)	"
1	4 "	"	343	West of Sterling avenue	"
C 3 to 4 in. 1	4 "	"	428	East of Sterling avenue, (190 feet west of old hydrant.)	"
1	4 "	"	363	West of Hayward street	"
C 3 to 4 in. 1	4 "	"		At Hayward, (from north to south side)	"
1	4 "	"	428	East of Hayward street	"
C 3 to 4 in. 1	4 "	"	413	West of Case avenue (165 feet east of old hydrant)	"

1	4 "	Sibley	45	West of Sago street	South.
1	4 "	Sixth avenue	407	East of Willson avenue	"
1	4 "	" "	857	" " "	"

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1882—Continued.

No.	Size.	Street.	Feet.	Location.	Side.
1	4 in.	South Dunham	338	South of Cedar avenue	East.
1	4 "	" "	738	South of Cedar avenue	"
1	4 "	" "	50	South of Harriett street	"
1	4 "	" "	144	North of Garden street	"
1	4 "	Sterling avenue	377	South of Payne avenue	"
1	4 "	" "	827	" " "	West.
1	4 "	Taylor	296	North of Lorain street	"
1	4 "	Trumbull	236	East of angle near Solon street	South.
1	4 "	"	658	" " " " "	"
1	4 "	"	1,105	" " " " "	"
1	4 "	Washington		At W. L. of Taylor street	"
1	4 "	"	402	West of Taylor street	"
1	4 "	"	367	East of Weddell street	"
1	4 "	"	93	West of Weddell street	"
1	4 "	Water		At Front street	East.
C 3 to 4 in. 1	4 "	Woodland avenue	358	West of Cross street	South.

SCHEDULE SHOWING THE LOCATION OF FIRE HYDRANTS SET IN 1882—*Continued.*

No.	Size.	Street.	Feet.	Location.	Side.
C 3 to 4 in. 1	4 in.	Woodland avenue	171	East of Erie street	South.
C 3 to 4 in. 1	4 "	" "	32	West of Harmon street	"
C 3 to 4 in. 1	4 "	" "	79	West of Chapel street	"
C 3 to 4 in. 1	4 "	" "	175	East of Mayflower street	"
C 3 to 4 in. 1	4 "	" "	298	East of Lees Court	"
C 3 to 4 in. 1	4 "	Willey		Moved from S. E. corner to N. W. corner Willey and Columbus sts	North.
166					

1	3 "	4 "	Erie	143	South of Bolivar street	East.
1	3 "	4 "	"		At Eagle street	"
1	3 "	4 "	"		At Ohio street	"
1	3 "	4 "	"		At Woodland avenue	West.
1	3 "	4 "	Kennard		" "	"
1	3 "	4 "	Lorain		At York street	North.
1	3 "	4 "	"	21	E of Penn street, (moved from 70 feet W. of Penn)	"
1	3 "	4 "	Pearl	275	N. of Franklin avenue	East.
1	3 "	4 "	"	19	S. of N. L. Carroll street	"
1	3 "	4 "	Prospect	784	E. of Perry street, (80 ft. E. of old hydrant)	South.
1	3 "	4 "	"	756	W. of Sterling, (171 feet west of old hydrant)	"

DOCUMENTS.

SCHEDULE SHOWING THE LOCATION OF HYDRANTS CHANGED IN 1882—Continued.

No.	Taken up.	Set.	Street.	Feet.	Location.	Side.
1	3 in.	4 in.	Prospect	428	East of Sterling, (190 feet W. of old hydrant)	South.
1	3 "	4 "	"		At Hayward street, from N. to S. side	"
1	3 "	4 "	"	413	W. of Case avenue, 165 feet east of old hydrant	"
1	3 "	4 "	Woodland avenue	358	West of Cross street	"
1	3 "	4 "	" "	171	East of Erie street	"
1	3 "	4 "	" "	32	West of Harmon street	"
1	3 "	4 "	" "	79	West of Chapel street	"
1	3 "	4 "	" "	175	East of Mayflower street	"
1	3 "	4 "	" "	298	East of Lee's Court	"
1	3 "	4 "	Willey		Moved from S. E. cor. to N. W. cor. of Willey and Columbus sts	North.
26						

[illegible] OF HYDRANTS FOR 1882.

[illegible]	1
[illegible]	158
[illegible]	7
[illegible]	166
[illegible] ember 31st, 1881	1,124
[illegible]	1,290
[illegible]	26
[illegible] ember 31st, 1882	1,264

[illegible] CONNECTED IN 1882.

[illegible] n and 24 feet N. of S. L. of Trumbull street.

WORTHINGTON DUPLEX ENGINE No. 4, RECORD FOR 1882.

Months	Days.	Pumping.			Coal Consumed.			Gallons of Water Pumped.	Height in feet and Decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising Steam.	Pumping.	Total.			
January	31	742	30	325,713	2,600	645,100	647,700	201,942,060	158,024	41,212,981
February	28	672	.....	266,766	3,000	571,800	574,800	165,394,920	157,777	37,975,430
March	31	739	....	320,830	.....	660,900	660,900	198,914,600	157,373	39,619,974
April	30	720	....	269,419	1,900	588,200	590,100	167,039,780	156,941	37,160,678
May	31	743	....	280,453	12,000	636,100	648,100	173,880,860	156,769	35,182,143
June	18	385	20	149,163	2,600	307,600	310,200	92,481,060	157,228	39,209,746
July	31	744	.....	312,225	1,800	624,900	626,700	193,579,500	157,473	40,687,744
August	31	744	.....	329,530	.....	646,500	646,500	204,308,600	157,236	41,564,799
September	30	718	55	308,544	.....	604,900	604,900	191,297,280	157,553	41,678,248
October	31	734	.....	287,938	2,000	672,300	674,300	178,521,560	157,898	34,967,953
November	30	719	30	275,323	2,000	539,500	541,500	170,700,260	158,389	41,739,056
December	31	743	30	363,908	2,000	610,500	612,500	225,622,960	158,825	48,938,539
Total and averages	353	8,405	45	3,489,812	29,900	7,108,300	7,138,200	2,163,683,440	157,449	39,994,770

Months.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
April	25	590	30	215,655	.....	384,900	384,900	133,706,100	156,953	45,606,895
May	31	744	.....	263,791	.....	468,500	468,500	163,550,420	156,812	45,790,868
June	16	376	.....	131,170	.....	223,300	223,300	81,325,400	156,792	47,765,939
August	26	608	.....	279,666	.....	446,000	446,000	173,392,920	157,198	51,120,892
September	30	720	.....	304,146	.....	502,200	502,200	188,570,520	157,576	49,493,108
October	31	742	.....	307,268	.....	565,380	565,380	190,506,160	157,855	44,491,891
November	30	720	.....	269,569	.....	442,800	442,800	167,132,780	158,122	49,922,879
December	31	744	.....	322,454	.....	537,800	537,800	199,921,480	158,825	49,387,278
Totals and averages	266	6,256	25	2,533,718	8,000	4,385,510	4,393,510	1,570,905,160	157,707	47,409,346

CORNISH ENGINE RECORD FOR 1882.

EAST ENGINE.

Months.	Days.	Pumping.			Coal Consumed.			Gallons of Water Pumped..	Height in feet and Decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising Steam.	Pumping.	Total.			
June	16	135	05	61,585	19,000	62,600	81,600	19,768,785	157.318	31,872,712
December	8	62	05	27,975	8,800	32,000	40,800	8,979,975	159.416	29,842,599
Totals and averages	24	197	10	89,560	27,800	94,600	122,400	28,748,760	158.367	30,607,655

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Days.	Hrs.	Min.	Sec.	Steam.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
July	17	130	20	58,975	21,600	66,000	87,600	18,930,975	157 250	28,419,398
Totals and averages	17	130	20	58,975	21,600	66,000	87,600	18,930,975	157 250	28,419,398

CORNISH ENGINES RECORD FOR 1882.—Continued.

BOTH ENGINES.

Engines.	Days.	Pumping.			Coal Consumed.			Gallons of Water. Pumped.	Height in feet and Decimals.	Duty.
		Hrs.	Min.	Strokes.	Raising Steam.	Pumping.	Total.			
East Engine	24	197	10	89,560	27,800	94,600	122,400	28,748,760	158.367	30,607,655
West Engine	17	130	20	58,975	21,600	66,000	87,600	18,930,975	157.250	28,419,398
Totals and averages	41	327	30	148,535	54,400	160,600	210,000	47,689,735	157.808	29,513,526

	Number of Vessels.			Tonnage.				Number of Passengers.		
January	21	364	20	166,654	3,800	457,800	461,600	89,159,890	158 020	25,508,766
March	31	735	30	344,173	.....	1,003,300	1,003,300	184,132,555	157 382	24,139,654
April	6	129	30	56,398	.....	153,400	153,400	30,172,930	156 903	25,792,694
June	29	658	.....	336,200	3,000	1,027,700	1,030,700	183,901,400	157 051	23,486,352
July	31	744	.....	378,744	2,000	988,300	990,300	207,172,968	157 473	27,553,395
August	3	64	.....	32,414	.....	73,600	73,600	17,730,458	157 444	31,751,872
Totals and averages	121	2,695	20	1,314,583	8,800	3,704,100	3,712,900	712,270,201	157.399	26,363,789

SCHEDULE SHOWING THE DISTRIBUTION OF WATER FOR EACH DAY AND MONTH IN THE YEAR 1882.

Months.	Gallons of water pumped by Cornish engine.	Gallons of water pumped by Henderson engine.	Gallons of water pumped by No. 1 Worthington engine.	Gallons of water pumped by No. 2 Worthington engine.	Gallons Distributed.			
					Per month.	Average per day.	Each inhabitant per day.	Each consumer per day.
January	.....	89,159,890	201,942,060	101,360,700	392,462,650	12,660,085	70.33	139.95
February	.....	.....	165,394,920	171,438,680	336,833,600	12,029,771	66.83	132.98
March	.....	184,132,555	198,914,600	.....	383,047,155	12,356,360	68 64	136.59
April	.....	30,172,930	167,039,780	133,706,100	330,918,810	11,030,627	61.28	121.93
May	.....	.....	173,880,860	163,550,420	337,431,280	10,884,880	60 47	120.32
June	19,768,785	183,901,400	92,481,060	81,325,400	377,476,645	12,582,555	69.90	139.09
July	18,930,975	207,172,968	193,579,500	.....	419,683,443	13,538,176	75 21	149.65
August	.....	17,730,458	204,308,600	173,392,920	395,431,978	12,755,870	70.87	141.01
September	.....	.....	191,297,280	188,570,520	379,867,800	12,662,260	70 34	139.97
October	.....	.....	178,521,560	190,506,160	369,027,720	11,904,120	66 13	131.59
November	.....	.....	170,700,260	167,132,780	337,833,040	11,261,101	62 56	124.48
December	8,979,975	.....	225,622,960	199,921,480	434,524,415	14,016,917	77.87	154.95
Totals and average	47,679,735	712,270,201	2,168,683,440	1,570,905,160	4,494,538,536	12,313,804	68.41	136.04

[illegible] E TOTAL AND AVERAGE QUAN- [illegible] MPED EACH YEAR SINCE [illegible] NG OF THE WORKS.

[illegible] ns Distributed.

[illegible] y.	Each inhabitant per day.	Each consumer per day.	Per cent. of increase.
[illegible] 664	7 75	110.68	.....
[illegible] 467	8 37	93.44	.11.70
[illegible] 107	11.31	91.27	39.45
[illegible] 984	14.11	101 57	31.87
[illegible] 599	16 32	114 50	23.81
[illegible] 794	19 47	120.57	14.74
[illegible] 2,875	20.97	117.54	12.83
[illegible] 0,858	21 68	123.89	12.14
[illegible] 7,153	21.80	122 70	8.64
[illegible] 9,238	22 35	124.26	13.55
[illegible] 7,861	23 85	115.98	18.55
[illegible] 5,265	24.77	116.08	10.40
[illegible] 2,839	27.36	120.20	16.92
[illegible] 5,558	30.86	113.20	25.28
[illegible] 6,907	35.68	124.90	21.43
[illegible] 7,571	40 07	131 64	22.67
[illegible] 5,230	43.06	137.71	10.85
[illegible] 5,150	45.36	141.10	9.65
[illegible] 3,358	44.00	136.65	8.12
[illegible] 3,220	49.22	131.28	8.23
[illegible] 6,920	55.91	142.24	17.55
[illegible] 5,882	51.13	135.05	2.57
[illegible] 6,498	62.69	145.61	19.43
[illegible] 9,461	65.25	145 23	7.82
[illegible] 0,025	76.76	162.34	30.10
[illegible] 3,804	68 41	136.04	7.27

INVENTORY OF MISCELLANEOUS STOCK AND CASTINGS ON HAND IN OFFICE, BASEMENT, AND YARD, DECEMBER 31ST, 1882.

2 8-inch Tees.
2 8 to 4 inch Tees.
4 6 inch tees.
5 6 to 4 inch tees.
4 4 inch tees.
2 3 " gas tees.
1 10 " sprinkler tee.
2 8 " " "
6 6 " " "
1 4 " " "
2 3 " " "
5 6 inch pipe.
1 4 " "
1 3 " "
2 8 " $\frac{1}{8}$ bends.
6 8 " $\frac{1}{16}$ "
12 6 " $\frac{1}{8}$ "
6 6 " $\frac{1}{16}$ "
6 4 " $\frac{1}{4}$ "
16 4 " $\frac{1}{16}$ "
2 6 " elbows.
5 10 " sleeves.
10 8 " "
21 6 " "
13 4 " "
13 3 " "
2 12 " clamp sleeves.
6 10 " " "
8 8 " " "
11 6 " " "
9 4 " " "

8 Caulking tools.
5 " " with handles.
8 Cold chisels.
6 " sets.
2 Monkey wrenches.
4 S. wrenches.
1 2 ft. square.
4 Crowbars.
9 Picks.
1 Axe.
1 Adze.
10 Water pails.
2 Sledges.
1 2 inch augur.
1 Tool bag.
1 Force pump.
6 Balls of twine.
1 8 inch valve screw.
3 6 inch " "
4 4 inch " "
4 3 inch " "
10 Lanterns.
7 Red globes for lanterns.
5 White globes for lanterns.
1 Torch lamp.
2 Mathews hydrant wrenches.
1 " hyd't wrench for stuffing box.
1 " " " " valve seats.
1 Street sprinkler wrench
4 Oil cans.
1 5 gallon oil can.

7 3 " sleeves.
3 4 to 3 reducers.
3 6 to 4 "
1 10 to 6 "
6 6 inch reversed curves.
2 4 " " "
12 4 " Mathews' hydrants.
1 6 " " "
1 4 " " " (old)
36 3 " Manning hydrants.
7 Set of No. 1 V. box plates.
4 " of No. 2 " " "
11 " of No. 3 " " "
4 " of No. 4 " " "
31 Top frames for valve boxes.
13 Extra top frames for valve boxes.
15 Valve box covers.
17 Bottom frames for V. boxes.
12 6 inch head sockets.
18 6 " Cylinder V. box covers.
6 4 " " " " "
6 Furnaces.
4 Lead pots.
1 10 inch valve. (old)
1 6 inch valve, (new)
5 4 inch valves. (old valves)
11 3 inch valves. " "
7 3 inch valves with goose necks.
6 Sprinkler covers.
1 Hand saw.
1 Hatchet.
1 Draw shave.
1 Jack-plane.
1 Wood-chisel.
1 Brace and bits from $\frac{1}{4}$ in. to $1\frac{1}{4}$ in.
3 lbs of brass and copper wire.
2 Screw drivers.
1 Gimlet.

1 Grindstone.
1 Hose wrench.
1 Die for Manning hydrant.
1 Chain for Mathews hydrant.
6 Center covers for cylinder valve box.
1 Large S. wrench.
5 lbs of yarn.
4 Derrick handles.
8 Wheelbarrows.
1 Folding derrick.
2 sets of differential blocks and chain.
1 30 inch wrench.
1 16 inch lever wrench.
1 6 " " "
4 6 " wrenches.
2 3 " "
1 4 " "
1 3 " stop cock wrench.
1 Hydrant claw wrench
1 Globe valve wrench.
1 Air cock "
1 Pet. cock wrench.
2 Ice bars.
1 Pair grappling tongs.
4 Yards duck cloth.
1 Combination vise with movable jaws.
25 lbs of white lead.
2 pair of scales.
12 bbl. of cement.
1 Large step ladder.
1 Garden rake.
1 Hoe.
1 Trowel.
9 6 inch wood plugs.
2 8 " " "
2 Tons brass scrap.
4 " lead.
1 Ton hard coal.

2 Pair of shears.
1 Scratch awl.
1 Oil stone.
1 File brush.
1 Pair compasses.
1 " callipers.
2 Countersinks.
1 2 inch tap.
1 Claw hammer.
4 Caulking hammers.
3 Brass pumps.
5 Chains.
3 Tunneling shovels.
1 Spoon shovel.
2 Mauls.
1 Solder pot and ladle.
1 Pair timber grappling hooks.
1 Screw for 30 inch valve.
1 2 inch Chapman valve.

METER STOCK.

36 ¾ inch tees.
43 ¾ inch sockets.
18 ¾ inch elbows.
26 ¾ inch street elbows.
56 1 inch sockets.
7 1 inch street elbows.
9 1 inch elbows.
2
4 1 to ¾ inch tees.
2 1 inch tees.
4 1x1¼ inch street elbows.
7 1x1½ inch sockets.
6 1x1½ inch tees.
3 1x1½ inch street elbows.
12 1x1½ inch elbows.
15 2 inch sockets.
13 2 inch elbows.
2 2 inch tees.
4 2 inch street elbows.
1 2 to 1½ inch elbows.
29 ¾ inch unions.
30 1 " "
15 1½ " "
2 1¼ " "
16 2 " "
4 2 to 1½ inch reducers.
2 2½ to 2 inch reducers.
4 1½ to 2 inch reducers.
8 1 " " " " "
10 ½ " " " " "
4 ¾ " ratchets, with center plates.
4 1 " " " " "
6 1½ " " " " "
3 2 " " " " "
2 3 " " " " "
3 4 " " " " "
1 4 " "
5 2 " Worthington meters (old)
1 1 " " " "
15 ¾ " " " (new).
2 2 " " " "
2 Meter vault covers.
2 3 inch Worth meters, 1 old 1 new.
1 1½ " " "
6 1 " " "
1 ¾ " union meter (new).
1 1 " " " "
1 ¾ " crown "
1 1 " " "
2 3 inch pipe tongs
2 2 " " "
2 1 " " "
1 ¼ " " "

15 1 inch plugs.
9 ¾ inch plugs.
1 1½ " "
1 1¼ " "
1 3 " "
2 ½ " "
1 4 " "
6 1 " "
9 ¾ " caps.
2 1¼ " "
1 ½ " "
2 3 " "
1 4 " socket.
1 3 " "
6 2 " reversed curves.
8 1½ " " "
12 ¾ " " "
8 1 " " "
118 ¾ " nipples.
80 1 " "
20 1¼ " "
27 2 " "
6 1 " Worth meter dials (with pins).
2 2 " " " " " "
4 1½ " " " " " "
2 3 " " " " " "
3 4 " " " " " "
1 3 " " " " (screws).
1 4 " " " " "
5 2 " " " " "

2 Monkey wrenches.
2 Stocks for cutting threads on pipe
2 Pipe cutters.
1 Key wrench.
Dies and guides from ½ inch to 2 inch
2 Screw drivers.
2 Hammers.
1 Saw.
7 Stone Chisels.
1 Trowel.
2 Files.
4 Alligator tongs from ½ inch to 2 inch
1 Oil can.
3 Reamers.
2 Small drills.
1 Washer cutter.
1 Glass cutter.
1 ¾ inch stopcock.
1 ¾ tap
8 Jets for testing meters, from ⅛ up to ½ inch.
26 Flat head screws 1½ inch long.
18 " " " ½ " "
17 " " " ⅝ " "
56 Round head screws.
1 Pot of red paint.
5 Lbs. rubber for gaskets.
8 Lbs. wicking.
1 Complete set of gasket patterns for Worth meters.

TAPPERS' TOOLS.

2 ⅝ reamers.
1 ¾ "
1 1 "
2 Ratchets.
2 Flat drills.

109 ¾ inch ferules.
9 1 " " "
57 Number plates.
10 Letter A "
16 " B "

1 Twist drill.	9 Letter C plates.
1 Hammer.	8 " D "
1 6 inch clamp.	9 " E "
1 8 " "	2 " F "
1 12 " "	2 " G "
2 1 inch brass plays.	3 " H "
18 ¼ " " "	3 " I "
40 ⅛ " " ferules.	5 " Y "

INVENTORY OF MISCELLANEOUS STOCK, PIPE, ETC., ON HAND AT THE RESERVOIR, DEC. 31st, 1882.

3 36 inch pipe.	3 10 inch sleeves.
1 36 " " socket 11 ft. long.	2 8 " "
1 36 " " " 42 ft "	2 6 " "
1 30 " "	26 4 " "
1 30 " " socket 6 feet 5 inches long.	5 3 " "
1 30 " " " 5 " 7 " "	2 4 to 3 reducers.
1 30 " " " 5 " 3 " "	3 6 to 4 "
1 30 " " plain 3 " 5 " "	3 8 to 4 "
9 24 " "	19 8 to 6 "
1 24 " " with socket 10 ft 4 in long	16 10 to 6 "
1 24 " " " " 9 ft 11 in long	4 12 to 6 "
4 20 " "	1 12 to 8 "
1 20 " " " " 11 ft long.	1 12 to 10 "
1 20 " " " " 6 ft 6 in long.	1 16 to 10 "
1 20 " " " " 4 ft 9 in "	1 20 to 8 "
1 20 " " " " 3 ft 3 in "	1 36 to 24 "
1 20 " " plain 5 feet 7 inches "	1 8 inch to 10 inch cross.
2 16 " "	5 6 inch crosses.
1 16 " " with socket 5 ft	7 4 " "
1 16 " " " " 4 feet 11 in.	1 8 " "
1 16 " " " " 2 feet 7 in.	1 12 " "
1 16 " " " " 2 feet 2 in.	1 20 " "
4 12 " "	1 6 to 4 tee.
10 10 " "	2 10 to 6 "
1 10 " " with socket 10 ft 8 in.	1 10 to 8 "
2 10 " " " " 10 ft.	2 10 inch "

1 10 inch pipe, with socket, 9 ft 6 in.
1 10 " " " " 9 ft.
28 feet of 10 inch pipe in plain pieces.
2 8 inch pipe.
79 feet of 8 inch pipe with socket pieces from 4 feet to 8 feet long.
8 pieces of 8 inch pipe from 4 ft. to 10 ft.
14 6 inch pipe
5 pieces of 6 in. pipe sockets about 10 ft.
185 ft. of 6 in. pipe plain from 6 ft. to ft. long.
9 4 inch pipe.
25 pieces of 4 inch pipe with sockets 3 ft. 6 in. long.
1 20 inch curve.
1 16 " "
½ of a 16 inch curve with socket.
½ of a 16 " " plain.
1 30 inch curve plain 3 feet 6 inches long.
6 4 " reversed curves.
2 6 " " "
2 6 " siphon pipes.
2 8 " " "
1 30 " valve.
1 20 " "
1 36 " socket clamp.
2 24 " " "
3 pieces of 4 in. pipe from 6 to 9 ft. long.
41 ft. of 4 inch pipe plain from 2 ft. to 7 ft.
16 4 inch pipe 9 feet lengths.
70 4 " " old with sockets 7 ft. 9 in. long.
294 inch pipe old with sockets 11 ft. long.
14 4 " " " " " 6 " 6 in. long.

1 12 inch tee,
1 8 to 4 "
1 16 inch tee plain ends.
12 4 " " sockets.
3 6 " "
8 6 " elbows.
2 8 " "
4 10 " "
10 6¼ bends.
11 1 6 1/16 "
13 8½ "
4 8 1/16 "
3 10¼ inch bends.
6 3 1/16 " "
7 20 inch socket clamps.
3 36 " clamps.
4 30 " "
5 24 " "
1 20 " "
4 16 " "
1 6 " "
1 36 " sleeve.
7 30 " "
6 24 " "
6 20 " "
6 16 " "
5 12 " "
14 4 inch pipe old with sockets 4 ft. long.
9 4 " " plain 8 feet 6 inches long.
5 4 " " " 6 " 9 " "
5 3 inch pipe.
2 30 " curves.

INVENTORY OF PIPE, CASTINGS, ETC., ON HAND AT PUMPING WORKS, DEC. 31st, 1882.

2 36 inch pipe.
1 24 " "
1 24 " " 9 feet long.
1 30 " to 24 inch reducer.
1 30 " pipe 6 feet 7 inches long.
1 30 " " 2 " 11 " "
1 30 " " 2 " 6 " "
3 30 inch pipes.
1 16 " "
1 12 " "
4 36 " sleeves.
2 24 " "
1 Large derrick for pipe laying.

INVENTORY OF MISCELLANEOUS ARTICLES AND MATERIALS AT OFFICE, DEC. 31ST, 1882.

5 Desks.
5 Tables.
1 Safe.
1 Case for books and blanks.
1 Clock.
7 Pictures and frames.
50 Yards carpet.
50 " lineoleum.
2 Stools.
1 Barometer.
4 Large maps.
3 Service pipe record books.
2 Books for pipe records and Eng. duty.
1 Record book of pipe in different wards
1 Abstract book.
1 Cupboard for papers and reports, books, cash ledger, transfer and permit books.
2 Bureau of drawings.
1 Large drawing table.
2 Office counters and fixtures.
2 " partitions.
1 Marble front grate.
1 Wash-bowl with marble base and splatter board.
2 Large chandeliers.
1 T "
3 Drop lights.
8 Single bracket lights.
1 Letter scale.
1 Level.
1 Transit.
1 Level rod.
2 Pickets.
1 100 feet chains.
4 Waste paper baskets.
Maps, plans of machinery boilers and and buildings.
8 Drawing boards.
1 base burner stove.

ENGINE HOUSE INVENTORY DECEMBER, 31ST, 1882.

1 pair 6 inch blocks.
2 17 inch single blocks.
1 14 " double blocks.
8 14 " " "
4 10 " " "
2 Large iron blocks.
19 Fathoms 3 inch rope.
26 " 3 " "
9 " 2½ " "
39 " 4½ " "
15 " 4½ " "
16 " 3½ " "
66 " 6 " "
122 Pieces matched lumber.
2 Dumping coal cars.
6 Slates.
4 Derricks.
1 Scoop.
5 Gate valve wrenches.
2 Valve-screws, for Cornish Eng.
1 Piston-rod clamp, " "
2 Cant hooks.
1 Cross-cut saw.
3 Ladles.
24 Sections of acqueduct gates.
1 Lawn-mower.
1 Rake.
1 Scythe.
1 Sickle,
175 Fire brick.
1½ bbls. Fire clay.
1 Extra 2 inch valve.
1 4 inch angle iron.
4 Pieces of "I" beam.
5 Iron dampers for Cornish boilers.
2 Gas-lighters.
1 1½ inch gauge.
1 Square.
1 Grindstone.
1 Screw-feed drill.
1 Breast "
1 Oil-stone.
1 Brace and bitts.
2 Hand-vises.
1 Bench-vise.
1 Large portable vise.
1 2 inch lifting-screw with pall.
1 Portable forge.
4 Pairs blacksmith tongs.
4 Sledges.
3 Hammers.
1 Blacksmiths' Hammer.
1 ¼ inch set figures.
3 Copper hammers.
1 Steelyard—2,000 lbs.
1 Platform scales.
1 Counter.
1 Portable engine and boiler.
1 Centrifugal pump and pipes.
5 Monkey-wrenches.
3 Pairs gas-tongs.
4 Claw wrenches.
23 Socket wrenches.
20 pairs eye-bolts.
2 Key wrenches.
8 Top "
1 Stock and 2 sett dies.
1 Combination gas pipe cutter.

1 Blank flange for 12 inch steam pipe.
1 Hair brush.
Hand-lamps.
1 Pall drill and bitts.
5 Fire shovels.
1 Broom.
2 Extra pressure gauges.
1 bbl. of lime.
3 Crow bars.
20 Bolts 20 inches long.
4 Extra valves for Cameron pump.
25 Water gauge glasses.
1 Screen Fall.
2 Piston rings (old) Cuyahoga engine.
5 Balls Lamp wick.
1 Bulletin board.
200 lbs. cotton waste.
500 tons of slack coal (estimate.)
4 Record books.
1 Account book.
1 Book slate.
1 Looking-glass.
1 Hat-rack.
200 Copper washers $\frac{7}{8}$ in. x $\frac{3}{4}$ in.
2 Writing desks and stand.
2 Tables with drawers.
3 Arm-chairs.
8 Common chairs.
4 Common tables.
1 Bookcase with drawers.
3 Tool cupboards.
1 Indicator—complete.
2 Thermometers.
1 Barometer.
1 Carpenters' work bench.
1 Jack plane.
1 Smooth plane.
4 gas taps.
1 Stock and 4 pair dies.
1 Extra steam guage.
1 Blank flange for sand pipe.
1 Belt punch.
1 Pair calippers.
1 Draw knife.
5 Caulking tools.
1 Sett of old Worthington pump valves and springs.
64 Extra valve weights.
19 Augers from crib.
4 Coal barrows.
4 Dirt barrows.
4 Step ladders.
3 Common ladders in fire-room.
4 " " in engine-room.
2 Hose nozzles.
10 lbs Square rubber packing.
3 lbs Round " "
4½ Yards of sheet rubber.
2 Dust pans.
5 Cape chisels.
8 Flat chisels.
2 Set screws.
1 Lounge.
1 Face board.
4 Spittoons.
6 Water-buckets.
2 Watch-falls.
15 Extra stair step plates.
5 " Fuel valves.
1 Check valve, Cornish pump.
7 Deck plates for boilers.
1 flue cleaner, gas pipe.
3 Pieces of 3 inch gas pipe, 4 ft. long.
50 Piston springs (old).

1 Hand axe
1 Hand saw.
1 Pair of Compasses.
3 1 gallon measures, (tin).
2 1 quart " "
3 Oil cans, "
2 Tallow-cans, "
2 2 gallon oil-cans, "
2 Coal scuttles.
5 Coal stoves.
3 Minute glasses.
1 6 gallon can, (tin).
1 50 gallon oil tank, (iron).
1 Patent " " (tin).
7 Iron rustic chairs
3 Coal oil cans.
1 Oil pump, (tin).
1 Brass syringe.
1 Tin syringe.
2 Tin lanterns.
1 Brass lantern.
2 Floor-plates.
½ bbl. black paint.
2 3½ feet gas pipe flanges.
12 Track rails.
200 Square drift bolts from Crib.
1 Set gear for 30 inch valve.
750 lbs Tallow.
3 Extra rubber valves for Cornish pump
1 30 inch black flange for main.
1 Hose cart.
175 feet of ¾ inch hose, in bad order.
50 feet of 2 inch rubber hose, in bad order
3 lbs ⅛ inch rubber packing.
30 feet of steam hose, in bad order.
1 Flue blower.
1 Flue sucker.
30 Open-end wrenches.
50 Extra 1½ inch bolts for Cornish engine
2 Short steel bars.
3 Extra valve seats, Worthington engine
1 Set of 8 inch blocks.

To the Honorable City Council.

ELEVENTH ANNUAL REPORT

OF THE

BOARD OF

POLICE COMMISSIONERS,

OF THE

CITY OF CLEVELAND, OHIO.

FOR THE

YEAR ENDING DECEMBER 31, 1882.

ORGANIZATION.

R. R HERRICK,
Mayor and President.

Commissioners,

W. H. GABRIEL,
GEO. W. SHORT.
J. R. SPRANKLE, to April, 1882,
J. H. BRADNER,
A. B. HALLIWELL, since April, 1882,

THOMAS KING, *Secretary,*
JACOB W. SCHMITT, *Superintendent,*
JAS. McMAHON, *Deputy Superintendent.*

HENRY HOEHN, *Captain,*
H. M. HOLZWORTH, *Captain Detectives.*

S. T. EVERETT, *Treasurer.*

EXTRACT FROM REGULAR MEETING OF THE BOARD HELD FEBRUARY 28, 1883.

"The Secretary submitted copies of Annual Report of Police Department.

"*Ordered*, That two hundred and fifty copies of same be printed and bound."

By order of the Board,

THOMAS KING,
Secretary.

ELEVENTH ANNUAL REPORT

OF THE

BOARD OF POLICE COMMISSIONERS

OF THE

CITY OF CLEVELAND.

OFFICE BOARD OF POLICE COMMISSIONERS,
CLEVELAND, January 1, 1883.

To the Honorable City Council of Cleveland, O.:

In accordance with an act of the General Assembly of Ohio, passed March 17, 1876, the Board of Police Commissioners have the honor of submitting their eleventh annual report, showing the present condition of the Department with the number of arrests made during the year. Nature of the crimes committed. Nativity, occupation, age, social condition of persons arrested, disposition made of them by the Police Court, census, tables and such other statistics regarding the condition of the Department as may be of interest to your Honorable Body and the people of the city.

THE BOARD.

Since the last Report there has been one change in the *personnel* of the Board. The time of Commissioner Sprankle having expired, the citizens at the last Spring election elected A. B. Halliwell to fill the place formerly occupied by Commissioner Sprankle.

The Board at present is made up by the following citizens:

	Term Expires
R. R. HERRICK, *Mayor and President*,	1888
GEO. W. SHORT,	1883
W. H. GABRIEL,	1884
J. H. BRADNER,	1885
A. B. HALLIWELL,	1886

THOMAS KING, *Secretary*.

STANDING COMMITTEES.

RULES, MEN AND DISCIPLINE:
COMMISSIONERS SHORT, GABRIEL AND BRADNER.

STATION HOUSES, REPAIRS AND SUPPLIES:
COMMISSIONERS GABRIEL, BRADNER AND HALLIWELL.

FINANCE AND ACCOUNTS:
COMMISSIONERS BRADNER, HALLIWELL AND SHORT.

APPOINTMENTS.
COMMISSIONERS HALLIWELL, BRADNER AND GABRIEL.

ADDRESS OF COMMISSIONERS.

R. R. HERRICK	CITY HALL.
G. W. SHORT	105 SUPERIOR STREET.
W. H. GABRIEL	50 MICHIGAN STREET.
J. H. BRADNER	128 DETROIT STREET.
A. B. HALLIWELL	85 MICHIGAN STREET.

INVENTORY OF PUBLIC PROPERTY.

APPERTAINING TO

THE POLICE DEPARTMENT OF THE CITY OF CLEVELAND.

No.	Articles.	Value.
8	Awnings	$ 40 00
1	Book Rest	50
2	Beds and Bedding	20 00
8	Black Boards	8 00
150	Badges, white	400 00
20	Badges, gilt	100 00
18	Baskets, paper	2 50
4	Baskets, other	1 25
140	Belts	140 00
4	Boxes, letter	1 50
30	Brushes, shoe	8 00
10	Brushes, other	10 00
60	Brooms	12 00
18	Brooms, whisp	2 00
25	Buckets, cell	12 50
20	Buckets, other	4 00
1	Buggy	50 00
1,152	Buttons, (8 gross) gilt	48 00
5,760	Buttons, (40 gross) white	200 00
3	Book cases	119 00
1	Book rack	8 00
200	Books of arrests	20 00
12	Boxes pistol cartridges	20 00
8	Carpets, Brussels	20 00
10	Carpets, other	130 00
8	City Ordinances	5 00

	32 00
	94 00
	100 00
	1 50
	45 00
	120 00
	57 00
	16 00
	225 00
	51 00
	20 00
	1 50
	5 00
	25 00
	40 00
	250 00
	24 00
	1 00
	2 00
	3 00
	1 50
	6 00
	15 00
	5 00
	200 00
	35 00
	60 00
	2 00
	40 00
	100 00
	15 00
	20 00
	24 00
	2 00
	20 00
	15 00
	25 00
	25 00

1	Letter press stand	8 00
Lot	Linoleum	222 00
9	Maps	25 00
1	Matting	3 00
6	Match boxes	1 20
10	Mirrors	15 00
40	Mops	6 00
5	Mucilage, bottles	1 00
56	Muskets	250 00
1	Museum case	150 00
8	Oil cloths, lots	10 00
Lot	Paper, Foolscap, reams	5 00
Lot	Paper, Letter, reams	8 00
Lot	Paper, Legal Cap	12 00
Lot	Paper, Blotting Sheets, small	50
Lot	Paper, Blotting Sheets, large	20
8	Paper cutters	1 00
6	Paper files	1 00
8	Paper weights	2 25
10	Pads, blotting	2 00
Lot	pens, steel	5 00
Lot	penholder	50
9	Penracks	90
Lot	Pencils, lead	4 00
219	Police clubs	219 00
225	Police numbers	12 00
250	Police Regulations	125 00
200	Police wreathes	20 00
2	Pictures	8 00
2	Refrigerators	4 00
700	Rogues' pictures	350 00
6	Rulers	1 50
Real Estate		110,000 00
10,000	Rounds of ammunition	150 00
8	Safes	400 00
12	Shovels	5 00
1	Soap, hard, box	5 00
3	Soap, soft, barrels	9 00

[illegible]	20 00
[illegible]	4 00
[illegible]	20 00
[illegible]	2 00
[illegible]	4 00
[illegible]	16 00
[illegible]	800 00
[illegible]	250 00
[illegible]	3 00
[illegible]	150 00
[illegible]	15 00
[illegible]	2 00
[illegible]	50
[illegible]	450 00
[illegible]	25 00
[illegible]	4 00
[illegible]	50 00
[illegible]	1 00
[illegible]	50 00
[illegible]	1 00
[illegible]	10 00
[illegible]	$116,978 57

THE FORCE.

Rank.	Name.	Nativity.	First entry into Service under Metropolitan law.	Remarks.
Superintendent	J. W. Schmitt	Germany	May 1, 1866	
Deputy Superintendent	James McMahon	Ireland	" "	
Capttain	Henry Hoehn	Germany	" "	
Captain Detectives	H. M. Holzworth	"	" "	
Lieutenant	M. F. Madigan	Ireland	" "	
"	Conrad Koch	Germany	" 30, "	
"	Wm. Tompkins	England	" 1, "	
"	R. L. Fleury	United States	" 1, "	
"	Chas. McHannan	" "	" 8, 1868	
"	Wm. R Simmonds	" "	" 15, 1867	
"	Philip Anthony	" "	Dec. 24, 1870	
"	E. T. Granger	" "	Sept. 7, 1871	
"	Frank Wagner	Germany	June 23, 1869	
"	John Schriber	United States	April 6, 1870	
"	E. K. Hutchinson	" "	" 12, 1876	Promoted from Sergeant.
Detective	Geo. E. Goodrich	" "	May 1, 1866	
"	W. H. Hulligan	Canada	Nov. 6, 1872	

[illegible]

[illegible] under Metropolitan law.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sergeant	Jacob Stein	Germany	July 31, 1866	
"	John Barrow	United States	Aug. 7, 1867	
"	S. Kushman	" "	April 25, 1868	
"	P. A. Searles	" "	Nov. 3, 1871	
"	A. Eitleman	Germany	May 1, 1866	
"	Josiah Johnson	United States	July 19, 1871	
"	Thomah Thompson	England	Nov. 6, 1872	Promoted from Patrol'n.
"	Geo. W. Broadwell	United States	April 14, 1877	" " "
"	A. S. Gates	" "	Nov. 13, 1871	" " "
"	F. R. Humphrey	England	Sept. 7, 1871	" " "
Engineer	Alex. Smith	Ireland	April 19, 1876	
Patrolman 1	Wm. Anthony	United States	June 27, 1873	N. Y. P. & O. Depot

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remrrks.
Patroman 2	Henry Brunner	United States	March 11, 1882	
" 3	Joseph Stadler	Germany	Sept. 16, 1876	
" 4	Chas. E. Parker	United States	Dec. 28, 1882	
" 5	Michael English	Ireland	April 8, 1871	Superintendent's Clerk
" 6	A. J. Marx	Germany	Sept. 14, 1870	
" 7	John T. Bashold	"	Jan. 8, 1875	
" 8	Geo. J. Griffin	United States	July 12, 1870	
" 9	A. Manzelman	Germany	April 20, 1872	
" 10	Edward Shipman	England	Jan. 31, 1871	Acting as Sergeant.
" 11	M. Ostermeyer	Germany	Aug. 7, 1867	
" 12	B. Rosenfelder	"	May 1, 1866	
" 13	K. Dienst	"	" "	
" 14	D. W. McCready	United States	March 6, 1878	
" 15	C. C. Thomas	" "	April 21, 1872	
" 16	John Dunn	" "	Dec. 31, 1870	Acting as Sergeant
" 17	Wm. Hildebrand	Germany	Sept. 21, 1872	" " Doorman.
" 18	Philip Haggerty	Ireland	May 1, 1866	Union Depot.

Rank.	Number.	Name.	Nativity.	Date.		Remarks.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	June	5, 1883	
"	23	Wm. Mylechraine	Isle of Man	[illegible]	[illegible], 1872	
"	24	John Buechler	Germany	May	1, 1872	
"	25	John Faron	Ireland	"	" 1866	Acting as Janitor
"	26	Joseph Kreuzel	Germany	Dec.	2, 1875	
"	27	Jacob Hammel	"	May	1, 1866	
"	28	Theo. Hathaway	United States	April	20, 1872	
"	29	W. Havlichek	Bohemia	"	30, 1873	
"	30	John Williams	Nova Scotia	"	30, 1872	
"	31	M. F. Ruddy	United States	Oct.	25, 1881	
"	32	William Vogel	Germany	Nov.	21, 1871	
"	33	G. A. Domino	"	Jan.	17, 1875	
"	34	Jacob Boyer	United States	Dec.	4, 1878	
"	35	Richard Dunn	England	May	1, 1866	Acting as Janitor.

THE FORCE—Continued.

Rank.		Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman	36	Chas. O. Klane	United States	May 2, 1882	
"	37	H. A. Cordes	" "	July 29, 1868	
"	38	H. A. Hibbard.	" "	May 20, 1881	
"	39	M. F. Wood	" "	" 9, 1877	
"	40	J. M Brooks	Bavaria	" 4, 1880	
"	41	S. D. Mell	United States	April 30, 1873	
"	42	John P. Norton	Ireland	May 8 1868	Acting as Sergeant.
"	43	Geo. W. Willis	United States	" 1, 1866	Union Depot.
"	44	Christian Henness	Germany	Sept 23, 1879	
"	45	W. M. Tucker	United States	June 3 1881	
"	46	Jacob Ganss	Germany	May 30, 1868	
"	47	Patrick O'Mally	Ireland	June 10, 1875	
"	48	F. G. Hanks	United States	Dec. 7, 1876	
"	49	H W. Sherman	" "	Jan. 10, 1882	
"	50	Daniel Mack	Ireland	Oct. 17, 1882	
"	51	T. F Felhaber	Germany	April 6, 1877	
"	52	Patrick Corkhill	Ireland	" 13, 1869	

"	56	J. M. Johnston	United States				
"	57	W. P. Flanigan	United States				
"	58	A. W. Coleman	"	"	Feby.	21, 1882	
"	59	W. S. Lipps	"	"	April	20, 1872	Court officer and Property Clerk.
"	60	Philip Carbeck	"	"	Aug.	1, 1882	
"	61	J. H. Hicks	"	"	Sept.	4, 1877	
"	62	James Lanahan	Ireland.		July	19, 1882	
"	63	E. A. Boynton	United States		Jany.	8, 1878	
"	64	Wm. Smith	"	"	Dec.	7, 1880	
"	65	John Sprankle.	Germany.		August	6, 1873	
"	66	Lawrence Davis	United States		Oct.	30, 1882	
"	67	Charles Eckard	Germany		May	8, 1868	
"	68	John Quinn	Ireland.		"	16, 1871	
"	69	George Kadel	Germany.		"	1, 1866	Acting as Sergeant.

THE FORCE—*Continued.*

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 70	Charles Tressell,	Germany.	Nov. 29, 1869	On R. R.
" 71	W. S. Rowe	United States	May 18, 1880	
" 72	John Burns	Ireland.	" 8, 1868	
" 73	Paul I. Luehrs	Heligoland.	April 20, 1872	Licenses.
" 74	Jacob Meyers	Germany.	Nov. 13, 1871	
" 75	A. A. Lawrence	United States	" 29, 1874	Nickel Plate Depot.
" 76	John Wagner	" "	July 22, 1882	
" 77	G. F. Mog	" "	Aug. 3, 1881	
" 78	E. W. Bradley	" "	April 29, 1875	Acting as Sergeant.
" 79	J. W. Varner	" "	Jany. 21, 1878	
" 80	J. C. Deuzer	" "	Nov. 27, 1878	
" 81	Ostwald Wetzell.	Germany.	April 9, 1881	
" 82	Francis Douglass	Ireland	Nov. 13, 1871	
" 83	N. J. Mershon.	United States	May 20, 1879	Acting as Sergeant.
" 84	F. B. Eustace	" "	April 19, 1875	
" 85	John McCormick	Ireland.	" 3, 1874	
" 86	A. J. Barnes.	United States	Sept. 7, 1871	

"	93	M. W. Murphy	" "	Sept.	7, 1871	
"	94	Patrick Kennedy	Ireland	June	10, 1875	
"	95	A. McMillan	Canada	Feb.	23, 1872	On Viaduct.
"	96	I. F. Megirth	Switzerland	May	1, 1872	
"	97	Henry Seibel	United States	Feb.	5, 1873	
"	98	J. P. Bramley	England	Nov.	2, 1871	Acting as Doorman.
"	99	F. J. Lambert	Germany	"	2, 1871	
"	100	P. C. Laucer	"	"	23, 1872	
"	101	Chas. Fischer	"	July	17, 1874	
"	102	S. B. Close	United States	Nov.	2, 1871	
"	103	Frank Kulas	Bohemia	May	16, 1878	

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
Patrolman 104	J. H. Mangen	Ireland	Sept. 18, 1875	
" 105	C. McMastere	United States	Nov. 27, 1878	
" 106	Geo. Demaline	" "	March 18, 1880	
" 107	Chas. Dangler	" "	April 9, 1877	
" 108	Geo. D. Scott	" "	Sept. 21, 1878	On Court duty.
" 109	John Sprosty	Bohemia	Nov. 6, 1872	On Court duty.
" 110	Wm. Schneider	Germany	June 3, 1881	
" 111	W. A. Sherman	United States	Nov. 6, 1872	
" 112	J. W. Francis	" "	Nov. 6, 1872	
" 113	M. M. Mulhall	" "	June 28, 1881	
" 114	John McGraw	Ireland	April 6, 1877	
" 115	Wm. O'Brien	"	January 18, 1873	
" 116	Chas. Miller	United States	March 5, 1875	
" 117	Jacob Reese	" "	June 10, 1882	
" 118	Philip Hesge	Germany	February 5, 1873	
" 119	A. R. Sidley	United States	January 18, 1878	
" 120	James Johnson	" "	" 3, 1882	

Rank.	Name.	Nativity.	Date of entry into service.	Remarks.
Thirty-fifth	D. H. Slater	United States	Nov. 5, 1878	Acting as Janitor.
" 125	S. L. Miller	" "	[illegible] 20, 1872	
" 126	Chas. Schroeder	" "	Nov. 27, 1878	
" 127	G. B. Erwin	" "	April 19, 1881	
" 128	Patrick Syman	" "	Nov. 19, 1881	
" 129	Wm. Jenkins	England	Jan. 20, 1882	
" 130	W. H. Case	United States	June 6, 1882	
" 131	J. J. Doyle	Canada	" "	
" 132	M. J. Reegan	Ireland	" "	
" 133	J W. Sprosty	Bohemia	Dec. 28, 1882	
" 134	E. R. Bennett	United States	Nov. 7, 1882	
" 135	John Carroll	Ireland	" "	
" 136	James Wait	United States	" 28, 1882	

THE FORCE—Continued.

Rank.	Name.	Nativity.	First entry into service under Metropolitan law.	Remarks.
" 137	W. H Holbrook	" "	" 7, 1874	
" 138	Parker Hare	" "	" "	
" 139	J, W. T. Mitchell	England	Dec. 28, 1882	
" 140	J. W. Flavin	United States	" "	

NSION ROLL.

			n appointed on force.	When placed on Pension Roll.
			ember 22, 1871	May 15, 1881.

ROMOTIONS OF OFFICERS CLEVE-
RCE UNDER METROPOLITAN
OF MAY 1, 1866.

olman; Detective and Acting Chief May 1, 1866; 71; re-appointed Superintendent May 18, 1876.

Patrolman and First Sergeant May 1, 1866; Acting ain December 1, 1869; Acting Superintendent June ain, May 17, 1876; Acting Deputy Superintendent tendent, June 28, 1881.

olman May 1, 1866; Acting Sergeant July 1, 1871; Lieutenant April 12, 1876; Captain September 13,

Patrolman May 1, 1866; Special Detective Janu- 22, 1871; Captain April 12, 1876.

Patrolman and Third Sergeant May 1, 1866; De-

rom May 1, 1866, to May 9, 1868; re-appointed Pa- ective April 12, 1876.

olman May 1, 1866; Acting Sergeant April 16, 1872;

Patrolman September 22, 1866; Special Detective ril 14, 1876.

Patrolman November 5, 1872; Special Detective ril 12, 1876.

olman May 13, 1875; Special Detective July 8, 1875;

olman September 7, 1871; Detective June 1, 1876.

rolman May 1, 1866; Fifth Sergeant June 2, 1866; 1, 1869; Lieutenant April 12, 1876.

rolman, May 30, 1866; Roundsman April 16, 1872; , 1875; Lieutenant April 12, 1876.

WILLIAM TOMPKINS, appointed Patrolman May 1, 1866; Roundsman April 16, 1872; Acting Sergeant November 7, 1872; Sergeant April 12, 1875; Lieutenant April 12, 1876.

W. R. SIMMONDS, appointed special Patrolman May 16, 1867; Lieutenant April 14, 1876.

ROBERT L. FLEURY, appointed Patrolman May 1, 1866; Sergeant April 16, 1872, to June 10, 1875; Lieutenant April 12, 1876.

CHAS. MCHANNAN, appointed Patrolman May 8, 1868; Acting Sergeant July 1, 1871; Lieutenant April 14, 1876.

PHILIP ANTHONY, appointed Patrolman December 24, 1870; Roundsman April 16, 1872; Acting Sergeant April 10, 1874; Sergeant March 13, 1875; Lieutenant April 14, 1876.

JOHN SCHRIBER, appointed Patrolman April 6, 1870; Roundsman August 7, 1873; Sergeant April 14, 1876; Acting Lieutenant April 6, 1877; Lieutenant April 14, 1877.

FRANK WAGNER, appointed Patrolman June 23, 1869; Roundsman December 8, 1874; Sergeant April 14, 1876; Lieutenant September 16, 1876.

E. T. GRANGER, appointed Patrolman September 7, 1871; Roundsman December 5, 1874; Sergeant April 12, 1876; Lieutenant May 23, 1881.

E. K. HUTCHINSON, Sergeant April 14, 1876; Acting Lieutenant May 16, 1882; Lieutenant December 30, 1882.

JACOB STEIN, Patrolman from July 31 to October 20, 1866; re-appointed Patrolman September 11, 1868; Sergeant September 16, 1876.

JOHN BARROW, appointed Patrolman August 8, 1867; Acting Sergeant April 6, 1877; Sergeant April 14, 1877.

ANDREW EITELMAN, Patrolman from May 1, 1866 to January 6, 1868; re-appointed Patrolman May 8, 1868; Roundsman December 2, 1875; Sergeant April 12, 1876.

P. A. SEARLS, appointed Patrolman November 3, 1871; Acting Roundsman November 9, 1872; Sergeant May 27, 1876.

STEPHEN KUSHMAN, Patrolman April 25, 1868; Roundsman January 25, 1875; Acting Sergeant April 25, 1875; Sergeant April 14, 1876.

JOSIAH JOHNSON, Patrolman July, 19, 1871; Acting Sergeant October 24, 1877; Sergeant May 23, 1881.

THOMAS THOMPSON, Patrolman from May 17, 1867; to September 19, 1870; re-appointed Patrolman November 7, 1872; Acting Sergeant May 23, 1881; Sergeant January 20, 1882.

GEO. W. BROADWELL, Patrolman April 16, 1877; Acting Sergeant May 16, 1882; Sergeant December 30, 1882.

A. S GATES, Patrolman November 13, 1871; Acting Sergeant January 20, 1882; Sergeant December 30, 1882.

F. R. HUMPHREY, Patrolman November 7, 1871; Acting Sergeant July 3, 1882; Sergeant December 30, 1882.

ATIVITY.

Dec. 31, 1882.	Dec. 31, 1881.	Increase.	Decrease.
4	3	1	.....
3	2	1	.....
10	8	2	.....
39	42	.....	3
1	1	.....	.....
31	39	2	.....
1	1	.....	.....
1	1	.....	.....
1	2	.....	1
84	74	10	.....
175	163	16	4

NATIONALITY OF POLICE FORCE FROM MAY 1, 1866, TO DECEMBER 31, 1882.

BIRTH PLACE.		
United States	194	
Ireland	79	
Germany	78	
England	20	
Canada	6	
Bohemia	6	
Scotland	6	
Isle of Man	2	
Switzerland	2	
Born at sea	2	
Heligoland	1	
Hungary	1	
Nova Scotia	1	
Holland	1	
Total		399
Resigned	107	
Discharged	97	
Died	19	
Pensioned	1	
Total		124
Remaining		175

Average age when appointed, 31½ years.

OF THE FORCE.

TIME DURING 1883.

	Yearly Compensation.	Total.	Grand Total.
	$ 2,150 00	$ 2,150 00	
	1,600 00	1,600 00	
	1,500 00	1,500 00	
	1,400 00	1,400 00	
	1,350 00	1,350 00	
	1,000 00	11,000 00	
	1,000 00	7,000 00	
	950 00	9,500 00	
	840 00	108,360 00	
clerk	950 00	950 00	
	900 00	900 00	
nts	900 00	5,400 00	
	750 00	2,250 00	
	840 00	840 00	
	480 00	480 00	$ 154,680 00

APPOINTMENTS DURING THE YEAR.

Date	Names.	Age.	Nativity.	Former Occupation.	Social Condition.	Rank.	No.
1882.							
January 3	George Gee	27	England	Butcher	Married	Patrolman	58
" 3	James Johnson	41	United States	Special Police	"	"	120
" 10	H. W. Sherman	38	" "	Stone Cutter	"	"	49
" 20	Wm. Mehner	34	" "	Agent	"	"	53
" 20	Wm. Jenkins	36	England	Janitor	"	"	129
" 20	Thos. Thompson	44	"	Patrolman	"	Sergeant	
Februa'y 21	A. W. Coleman	32	United States	Upholsterer	"	Patrolman	58
March 11	Henry Brunner	29	" "	Tinner	"	"	2
May 2	C. O. Klane	30	" "	Special Police	"	"	36
June 6	J. J. Doyle	27	Canada	Steel Worker	"	"	131
" 6	M. J. Reegan	29	Ireland	Coachman	Single	"	132
" 6	W. H. Case	28	United States	Clerk	"	"	130
" 10	Jacob Rees	31	" "	Wood Carver	Married	"	117
July 19	James Lanahan	30	Ireland	Laborer	"	"	62
" 22	John Wagner	28	United States	Machinist	"	"	76

" 30	Lawrence Davis	32	United States	Rolling Mill	"	"	66
November 7	Parker Hare	35	" "	Constable	"	"	138
" 7	John Carroll	34	Ireland	Machinist	Single	"	135
" 7	W. H. Holbrook	36	United States	Blacksmith	Married	"	137
" 7	E. R. Bennett	34	" "	Railroad	"	"	134
" 7	James Wait	34	" "	Conductor	Single	"	136
December 28	Joseph O'Brien	33	Ireland	Laborer	Married	"	22
" 28	C. E. Parker	35	United States	Shoemaker	"	"	4
" 28	J. W. Flavin	30	" "	Conductor	"	"	140
" 28	J. W. Sprosty	23	Bohemia	Clerk	"	"	133
" 28	L. P. Grady	22	United States	Conductor	Single	"	19
" 28	J. W. T. Mitchell	34	England	Marketman	Married	"	139

APPOINTMENTS DURING THE YEAR—Continued.

Date.	Names.	Age.	Nativity	Former Occupation.	Social Condition.	Rank.	No
1882.							
December 30	G. W. Broadwell	28	United States	Patrolman	Single	Sergeant	
" 30	E. K Hutchinson	46	" "	Sergeant	Married	Lieutenant	
" 30	A. S. Gates	33	" "	Patrolman	"	Sergeant	
" 30	F. R Humphrey	41	England	"	"	"	

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
" 10	Frank Wagner	Lieutenant	Violating rules	Suspended 30 days and reprimanded.
February 7	M. W. Murphy	Patrolman, 93	Entering saloons	Reprimand.
March 11	M. J. O'Mally	" 2	" "	Discharged.
" 21	James Johnson	" 120	" "	Not guilty.
July 22	W. W. Weygandt	" 60	Indecent exposure of person	Discharged.
August 1	Peter Ruckman	" 66	Unbecoming conduct	Not guilty.
" 29	W. M. Tucker	" 45	" "	Guilty--no sentence.
September 25	Patrick Carr	" 22	Intoxication	Not guilty.
October 15	Peter Ruckman	" 66	Violating rules	Discharged.
November 28	G. F. Mog	" 77	Leaving beat	Reprimand.
December 5	M. F. Silsbee	" 92	" "	Reprimand and $10 00 pay stopped.
" 19	M. M. Mulhall	" 113	Unbecoming conduct	Suspended 30 days.
" 19	Patrick Carr	" 22	Leaving beat	Discharged

CHANGES IN THE DEPARTMENT.

	Superintendent.	Secretary.	Deputy Superintendent.	Captains.	Lieutenants.	Detectives.	Sergeants.	Patrolmen.	Engineer.	Fireman.	Janitors.	Total.
Remaining, last report	1	1	1	2	10	7	8	129	1	1	2	163
Appointed during year					1		4	29				34
Resigned							1	8				9
Discharged								6				6
Promoted							1	4				5
Offices abolished											2	2
Remaining	1	1	1	2	11	7	10	140	1	1		175

An increase during the year of 12.

RESIGNED—Sergeant, Theodore Keegan; Patrolmen, Richard Reeve, George Gee, A. R. Rumsey, Isaac Smith, Philip Salmon, Peter Kadel, Frank Meyer and C. W. Chittenden. DISCHARGED—Patrolmen Daniel McClosky, Adam Folzenlogel, M. J. O'Mally, W. W. Wevgandt, Peter Ruckman, and Patrick Carr. PROMOTED—Sergeant E. K. Hutchinson, to Lieutenant; Patrolmen G. W. Broadwell, A. S. Gates, F. R. Humphrey and Thomas Thompson, to Sergeants.

RECINCTS AND STATION HOUSES.

HEADQUARTERS

os. 15 and 16. The Board and 6, the Superintendent No. 16, and 5, second floor, is used for a store

RECINCTS.

m the Lake Shore along Erie street Euclid avenue to Brownell street, Erie and Cross streets, along Cross the River to the N. Y. P. & O. R. to the River at the intersection of iver to the Lake Shore, along the

rom Erie street along the Lake ong Case avenue to Euclid avenue, Erie street, along Erie street to the

rom Brownell street and Euclid nue to Fern alley, to Prospect street, rden street, to Willson avenue, to the Run to the River, along the ng Cross street to Woodland avenue, to Brownell street, along Brownell

FOURTH PRECINCT.—From Lake Shore and Case avenue to Euclid avenue, along Euclid avenue to Fern alley to Prospect street, to Hayward street, to Garden street, along Garden street to its end, and on a line with Garden street to the City Limits, along the Limits to the Lake Shore, along the Lake Shore to Case avenue.

FIFTH PRECINCT.—From corner Willson avenue and Garden street, along Garden street to its end, and on a line with Garden street to the City Limits, along the City Limits to Kinsman street, to south branch of Kingsbury Run, along the Run to Willson avenue, along Willson avenue to Garden street.

SIXTH PRECINCT —From the River and Kingsbury Run, along the Run to the north branch of said Run, and then along the south branch to Kinsman street, to the City Limits, along the Limits to Union street, along Union street to Ackley avenue, along Ackley avenue to Fleet street to the City Limits, along the Limits to the River, along the River to Kingsbury Run.

SEVENTH PRECINCT.—From Ackley avenue and Union street, along Union street to the City Limits, along the Limits to Fleet street, along Fleet street to Ackley avenue, along Ackley avenue to Union street.

EIGHTH PRECINCT.—From the Lake Shore up the River to Tracy street, along the N. Y. P. & O. R. R. track to Walworth Run, along the Run to Burton street, along Burton street to Randall street, along Randall to Harbor street, along Harbor to Franklin avenue, along Franklin avenue to the City Limits, along the City Limits to the Lake Shore, along the Lake Shore to the River.

NINTH PRECINCT.—From the River and Walworth Run, along the Run to Burton street, along Burton street to the City Limits, alohg the Limits to the River, along the River to Walworth Run.

Harbor street and Franklin
e to the City Limits, along the
ng Burton to Randall street,
et, along Harbor to Franklin

HOUSES.

ated as follows:

Station on Champlain street
of Oregon and Oliver streets.
orest street, near Woodland

l avenue, near Willson avenue.
ion House; men all report to
ouse.
lson avenue, near Broadway.
les street, near Harvard street.
Detroit street, near Pearl street.
ber avenue.
wiss street, near Lorain.

HEALTH STATEMENT.

	No. of days required to be served.	No. of days served.	Absent with leave.	Absent without leave.	Sick.	Sickness in family.	Disabled while on duty.	Suspended from duty.	Rule 49½*	Total absent.	Average strength of force.
January	4,979	4,692	3	....	162	3	33	21	65	287	160 61
February	4,506	4,251	13	1	178	1	9	7	46	255	160 92
March	4,990	4,737	12	....	138	17	19	10	57	253	160.96
April	4,816	4,571	5	....	88	6	29	9	108	245	160.53
May	4,988	4,767	26	....	97	10	23	....	65	221	160 90
June	4,874	4,810	6	....	47	....	2	....	9	64	162.46
July	5,031	4,836	9	....	97	5	12	12	60	195	162.29
August	5,052	4,728	27	....	125	12	32	....	128	324	162.96
September	4,873	4,574	39	....	131	10	3	3	113	299	162.43
October	5,051	4,829	32	....	94	6	25	....	65	222	162 98
November	4,995	4,733	31	1	122	5	26	....	77	262	166.50
December	5,227	4,903	40	....	168	....	45	12	64	324	168 61
Total	59,382	56,431	243	2	1442	75	258	74	857	2951	162.67

Average yearly attendance—each man		346.90
" " absence, " "		18.10
" daily loss of time, " "		8.08
" " " " with leave	.666	8.08
" " " " without leave	.005	
" " " " by sickness	3.950	
" " " " by sickness in family	.205	
" " " " suspended	.706	
" " " " Rule 49½	2.343	

*Rule 49½ allows each member of the force six days leave of absence each year, at full pay.

[illegible]TION HOUSES.

[illegible] the Police Court Funds had a credit [illegible] and the receipts during the year of [illegible] ard the necessary funds to build new [illegible] ch needed repairs as mentioned in [illegible].

[illegible] aleb Morgan generously offered to [illegible] for Police purposes on Willson ave- [illegible] n the Fourteenth ward, which was [illegible] the Board, and by approval of the [illegible].

[illegible] new Station on Swiss street, in the [illegible] chased at a reasonable price, contracts [illegible] ions were let, and both accepted in [illegible] uilt of brick, with stone foundations, [illegible] ern improvements. Your Honorable [illegible] spect the same at your convenience. [illegible] ings was:

[illegible] n, - - - -	$ 5,713 25
[illegible] - - - -	6,095 84
[illegible] - - - -	$11,809 09

[illegible] y improvements have been made at [illegible] and Lot — The patrolmen's rooms [illegible] oved and made more comfortable: [illegible] in as good condition as possible, and [illegible] er manner.

[illegible] ed into ten precincts, in anticipation [illegible] in the Fifteenth ward should the

condition of the Police Court Funds warrant during the year 1883. Three Station Houses are yet provided with "Relics of Barbarism" in the shape of stone cells, but it is expected that steps will be taken in the near future to replace them with iron cages. As a whole the condition of Station Houses has greatly improved during the year.

ANNUAL REPORT

OF THE

DETECTIVE DEPARTMENT

FOR THE

YEAR ENDING DECEMBER 31st, 1882.

Respectfully submitted,

J. W. SCHMITT, *Sup't of Police.*

JAN. 1st, 1883.

Respectfully forwarded to the Honorable Board of Police. Commissioners this 27th day of January, 1883.

J. W. SCHMITT,

Sup't of Police.

REPORT OF

CAPTAIN OF DETECTIVES

REPORT OF

CAPTAIN OF DETECTIVES.

CLEVELAND, O., January 1, 1883.

J. W. Schmitt, Sup't of Police:

SIR: The following is a report of the labor performed by the Detective Department during the year ending December 31, 1882:

The following arrests were made during the year:

Assault and battery	5
Assault with intent to rape	2
Assault with intent to kill	4
Arson	3
Attempt to blackmail	2
Burglary and larceny	17
Buying and receiving stolen property	1
Cutting with intent to wound	1
Carrying concealed weapon	3
Careless driving	2
Drunk	14
Disturbance	10
Disorderly conduct	3
Embezzlement	5
Forgery	8
Fugitive from justice	4
Fornication	1
Grand Larceny	28
Horse stealing	2
Indecent conduct	2
Incorrigible conduct	1
Obtaining money by false pretenses	7

Obstructing officer	1
Petit larceny	36
Robery	3
Receiving stolen property	1
Suspicion	28
Stabbing with intent to wound	2
Total	196

Much valuable assistance has been rendered to officers from abroad in their search after criminals, and fourteen parties arrested here on felonious charges have been remanded to officers of the following cities:

Elyria, O	1
Pittsburgh, Pa	2
Oneida, N. Y	1
Alleghenny, Pa	1
Cincinnati, O	1
Lima, O	1
Painesville, O	1
Geneva, O	1
Vermillion, O	1
Warren, O	1
Greenwich, O	1
Lake County, O	1
Detroit, Mich	1
Total	14

COMMUNICATIONS FROM ABROAD.

Postal Cards	543
Circulars	149
Letters	271
Dispatches	373
Total	1,336

STOLEN PROPERTY RECOVERED.

January	$ 5,519 00
February	185 86
March	1,289 02
April	2,530 00
May	1,128 50
June	1,326 75
July	1,085 75
August	763 00
September	1,428 50
October	400 00
November	2,778 75
December	1,926 90
Total	$20,311 53

A word as to the statistical report for the year past may not be out of the way.

There have been ten hundred and nighty-eight written reports of stolen property investigated, and compared with the reports from the pawnbrokers, the number of the latter reaching three thousand, the number of letters, postal cards, circulars and dispatches, which have been attended to for persons from abroad, aggregate thirteen hundred and thirty-six. This may seem like manifesting a greater interest in the welfare of outsiders than we do for the citizens of our own city. We are under obligation to do this work, from the fact, that, we are continually asking favors from the officers of other cities, for which we feel in duty bound to return our most sincere thanks for the courtesies extended to us by the members of the Detective Departments with whom we have done business during the year past.

There has also during the year been a large number of calls for detectives at residences and business places, which upon investigation proved of an advisory nature in criminal

cases, or of private affairs, which precludes us from reporting them for public record.

The work alluded to above, together with the time occupied by the detectives in the several courts, has taken the time and attention, at least of three operatives almost exclusively. At times several detectives have been out of the city as witnesses in criminal cases or in pursuit of fugitives from justice; therefore, instead of having eight men to watch the resort of thieves, and keep track of notorious criminals, we have only three, as my time is occupied principally in doing office work, and detective Schroeder has not time to attend to much general detective duty, on account of being closely confined at the Union depot as emigrant officer.

On account of the large increase of population, and consequent addition to our duties necessitating frequent visits to extreme localities, it is highly necessary that some means of rapid conveyance be furnished, and I would most respectfully suggest that a horse and carriage be provided for the detectives' exclusive use on each side of the river.

Hereto annexed please find report of Detective Schroeder. emigrant officer.

Respectfuliy submitted,

H. M. HOLZWORTH,
Captain of Detectives.

REPORT OF

EMIGRANT OFFICER.

REPORT OF

EMIGRANT OFFICER.

J. W. Schmitt, Sup't of Police:

DEAR SIR:—During the year ending December 31, 1882, 73,118 emigrants passed through this city, of whom 62,058 came via the L. S. & M. S. in 1,259 cars, 7,556 via N. Y., P. & O., and 3,504 via C. & P. R. R.

Nine thousand two hundred and seventy-two emigrants settled in the city from different nations, as follows: Germans, 4,510; Bohemians, 1,896; Irish, 1,010; English, 828; Hungarians, 817; Italians, 60; Swedes, 76, and Hollanders, 75.

Thirty-nine families arrived here without means and without relatives or friends. They were given work on farms in different places—Conneaut, Wickliffe, Medina, Amherst, etc.

Sixty-four and twenty-eight hundredths dollars was spent for bread and cheese.

A Polish girl arrived here who had an address for Cambridge, Massachusetts, and was given a ticket to Cleveland by mistake. She was given a pass to New York, via Pennsylvania railroad.

Julius Nasc, a German emigrant, and his family bought their tickets for Grand Rapids, Wisconsin, at Castle Garden, and had them stolen from him on the N. Y. C. & H. R. R. R.,

arriving here without any means. Through the kindness of Mr. J. W. Cary he was sent free to Grand Rapids, where he had friends.

Two emigrant children died at the Union Depot and were buried by Hogan & Harris, otherwise there were no deaths or contagious diseases among the emigrants that passed through the city; also, I have the pleasure of reporting to you that no emigrants were swindled while passing through the city.

The following tables show in detail the emigrant statistics by months.

ARRIVED IN THIS CITY.

Months.	Railroads.			
	L. S. & M. S.	N. Y. P. & O.	C. & P.	Total.
January	1,719	359	194	2,272
February	2,290	420	210	2,920
March	5,106	968	546	6,620
April	10,160	924	472	11,556
May	12,230	1,499	716	14,445
June	7,675	686	264	8,625
July	3,435	492	212	4,139
August	4,146	495	168	4,809
September	4,236	582	220	5,038
October	4,480	546	192	5,218
November	4,040	343	169	4,552
December	2,541	242	141	2,924
Total	62,058	7,556	3,504	73,118

SETTLED IN THIS CITY.

MONTHS.	Germans.	Bohemians.	Irish.	English.	Hungarians	Italians.	Swedes.	Hollanders.	Total.
January	220	45	19	16	42	.....	.....	.....	342
February	188	36	32	29	124	.....	.....	.....	409
March	470	195	61	57	156	28	16	....	983
April	678	324	178	117	105	.....	26	.....	1,428
May	752	374	172	152	95	.....	23	29	1,588
June	561	273	112	94	47	32	.....	....	1,119
July	292	89	53	78	48	.....	.....	46	606
August	272	77	47	54	25	.....	.....	.....	475
September	284	165	82	90	36	.....	.....	.....	657
October	350	106	98	58	63	.....	11	.....	686
November	247	120	78	47	53	.....	.....	.....	545
December	196	92	78	46	22	.....	.....	.....	434
	4,510	1,896	1,010	829	817	60	76	75	9,272

Respectfully yours,

HENRY SCHROEDER,

Detective Union Depot.

STATISTICAL TABLES.

The following Statistical Tables show the result of the labors of the Force for the year ending December 31st. 1882, in detail.

SALOONS, HOUSES OF ILL-FAME, THIEVES, ETC.

	First Precinct.	Second Precinct.	Third and Sixth Precincts.	Fourth Precinct.	Fifth Precinct.	Seventh Precinct.	Eighth Precinct.	Total 1882.	Total 1881.	Increase.	Decrease.
Saloons	314	146	266	350	113	58	92	1339	1323	16	.....
Reported houses of ill-fame	15	1	2	7	.....	.....	.....	25	29	.....	4
" inmates	33	.....	4	.....	.....	.....	.....	37	41	.....	4
" assignation houses	8	1	5	.....	.....	.....	.....	14	10	4	.....
" prostitutes in rooms	31	5	4	.....	.....	.....	.....	40	73	.....	33
gambling houses	3	.....	.....	2	.....	.....	.....	5	2	3	.....
" thieves and suspicious persons	30	22	22	74	7	3	6	160	171	.....	11
" resorts for " "	24	.....	.....	2	.....	.....	.....	26	29	.....	3
" reported receivers of stolen property	.....	.....	.....	2	.....	.....	.....	2	9	7	.....

OFFENSES—STATE.

Attempt at Blackmail	2
Adultery	7
Arson	6
Assault	5
Assault and battery	507
Assaulting officer	1
Assault with intent to kill	10
Assault with intent to rob	5
Assault with intent to rape	7
Burglary	20
Burglary and larceny	43
Bastardy	1
Carrying concealed weapons	53
Contempt of court	43
Cruelty to animals	23
Cutting with intent to wound	8
Cruelty to children	8
Destroying property	31
Embezzlement	16
Forgery	10
Fornication	7
Fugitive from justice	7
Gambling	2
Grand larceny	46
Highway robbery	2
Horse stealing	4
House breaking	23
Incest	1
Incorrigible conduct	44
Intoxication	42
Keeping house of ill-fame	13
Murder	1
Manslaughter	1
Obstructing officer	19
Obtaining money by false pretenses	19
Obtaining property by false pretenses	9

Obscene picture	5
Petit larceny	378
Perjury	1
Permitting minors to play billiards	2
Receiving stolen property	16
Receiving and secreting stolen property	12
Resisting officer	11
Robbery	24
Riot	8
Selling liquor to minors	2
Shooting with intent to kill	2
Shooting with intent to wound	14
Stabbing with intent to kill	2
Threatening	2
Violating railroad law	75
Violating election liquor law	8
Violating Sunday liquor law	83
Violating butter law	12
Wrongfully using animals	9
Total	1,655

OFFENSES—City.

Abusing family	6
Careless driving	20
Common beggar	7
Common prostitutes	22
Destroying property	51
Disorderly conduct	407
Disturbance	389
Disorderly houses	4
Fast driving	9
Habitual disturber of the peace	3
Habitual drunkard	2
Indecent conduct	21
Indecent exposure of person	15
Intoxication	3,112
Lewd language	1
Residing in house of ill-fame	28
Shooting within city limits	12
Suspicious persons	96
Swindling	4
Vagrancy	163
Violating bathing ordinance	14
" ball "	16
" boot black "	12
" bridge "	6
" cabs and hacks ordinance	6
" dog "	2
" express "	6
" fire "	21
" health "	78
" junk "	10
" market "	7
" milk "	10
" music "	7
" park "	3
" peddler's "	7

"	pound	"	9
"	property	"	68
"	railroad	"	89
"	sidewalk	"	222
"	street	"	57
"	street railroad	"	22
"	viaduct	"	5
Visiting house of ill-fame			28
Violating Water Works ordinance			5
Violating weights and measures ordinance			12
Total			5,086

OCCUPATIONS.

Actors	2
Agents	38
Bakers	23
Barbers	25
Bar tenders	54
Beggars	5
Blacksmiths	92
Boatmen	8
Boiler makers	68
Bolt makers	4
Book binders	2
Book keepers	18
Boot blacks	26
Brakemen	11
Brewers	18
Brick layers	15
Brick makers	1
Butchers	80
Cabinet makers	13
Carpenters	190
Crrriage makers	3
Cigar makers	37
Clerks	125
Coachmen	10
Coal dealer	1
Collectors	3
Conductors	1
Confectioners	2
Contractors	10
Cooks	17
Coopers	45
Doctors	10
Dress makers	9
Drivers	3
Druggists	2

Engineers	49
Expressmen	25
Farmers	109
Finishers	33
Firemen	45
Gas fitters	4
Gambler	1
Gardeners	14
Grocers	24
Hackmen	27
Harness makers	8
Heaters	9
Helpers	5
Hostlers	53
Housekeepers	372
House movers	2
Hucksters	20
Iron workers	8
Junk dealers	2
Laborers	2065
Lawyers	14
Livery keepers	7
Machinists	167
Masons	34
Mechanics	46
Merchants	30
Ministers	6
Midwives	2
Moulders	143
Musicians	10
Newsboys	10
No occupation	254
Painters	137
Paper hangers	11
Peddlers	129
Plasters	16
Plumbers	18
Polishers	28

Porters	7
Printers	61
Prostitutes	152
Puddlers	18
Railroad men	137
Real estate agents	7
Rolling mill men	116
Roofers	24
Sailors	308
Saloon keepert	182
School boys	180
School girls	14
Seamstresses	2
Servants	75
Ship carpenter	1
Shoemakers	83
Stone cutters	44
Stone masons	8
Soap maker	1
Tailors	39
Teamsters	233
Telegraph operators	4
Thieves	10
Tinsmiths	30
Tugmen	9
Trunk makers	3
Truckman	1
Turner	1
Undertakers	3
Veterinarys	4
Wagon makers	6
Waiters	21
Washwomen	10
Watchmen	2
Whitewashers	9
Wireworkers	43
Total	6741

NATIVITY.

Australia	1
Austria	3
Bavaria	2
Belgium	3
Bohemia	140
Canada	231
China	3
Denmark	7
England	405
France	27
Germany	891
Holland	12
Hungary	52
Ireland	1,230
Isle of Man	5
Italy	14
Norway	11
Novia Scotia	1
Poland	39
Russia	23
Scotland	148
Sweeden	36
Switzerland	32
United States	3,364
Wales	59
West India	2
Total	6,741

DISPOSITION OF CASES.

Bail forfeited	50
Bound over	109
Costs	221
Died in prison	1
Discharged	275
Dismissed	251
Dismissed at cost of prosecution	45
Dismissed for want of prosecution	77
Dismissed on payment of costs	280
Fine and costs and committee until paid	3,999
Fine and County jail	2
Fine and costs and Workhouse	651
House of Refuge and Correction	68
Nolle Prosqui	370
Remanded to authorities from abroad	21
Remanded to United States authorities	1
Sent to House of Good Shepherd	1
Sent to City prison	304
Sentenced to Workhouse	3
Turned over to Sheriffs	8
Turned over to friends	1
Turned over to Constables	1
Undisposed of	3
Total	6,741

SOCIAL CONDITION, EDUCATION, ETC.

Months.	Social Condit'n.		Education.		Sex.		Males.		Females.		Color.		
	Married.	Single.	Can Read and Write.	Cannot Read and Write.	Males.	Females.	Married.	Single.	Married.	Single.	White.	Colored.	Total.
January. ...	189	208	482	37	436	33	176	260	13	20	459	10	469
February....	203	265	427	41	426	43	184	242	19	23	452	16	468
March.	217	344	493	68	499	62	178	321	39	23	552	9	561
April	235	316	493	58	483	68	196	287	39	29	532	19	551
May	232	333	517	48	518	47	206	312	26	21	551	14	565
June	233	328	500	61	509	52	201	308	32	20	548	13	561
July..	264	381	560	85	576	69	227	349	37	32	630	15	645
August.....	244	445	610	79	594	95	203	391	41	54	677	12	689
September ..	205	378	514	69	524	59	176	348	29	30	568	15	583
October	199	377	503	73	512	64	169	343	30	34	551	25	576
November...	214	344	487	71	504	54	191	313	23	31	546	12	558
December...	206	209	471	44	467	48	185	282	21	27	497	18	515
Total..	2741	4000	6007	734	6048	693	2292	3756	349	344	6563	178	6741

Total of Arrests for past Five Years.

1878	7151
1879	6549
1880	7432
1881	7465
1882	6741

AGES.

Months.	Under Ten.	Ten to Fifteen.	Fifteen to Twenty.	Twenty to Thirty.	Thirty to Forty.	Forty to Fifty.	Fifty to Sixty.	Sixty and over.	Total.
January	2	9	54	172	131	59	27	15	469
February	2	18	58	158	95	79	40	18	468
March	1	16	70	212	127	74	50	11	561
April	1	17	68	191	123	98	35	18	551
May	2	32	76	200	127	72	42	14	565
June	3	25	64	196	148	80	37	8	561
July	8	32	88	206	158	91	46	16	645
August	4	34	86	229	141	118	62	15	689
September	5	15	72	223	132	89	26	21	583
October	3	32	59	234	126	64	36	22	576
November	2	20	52	223	121	83	41	16	558
December	2	17	66	197	108	69	42	14	515
Total	35	267	813	2441	1537	976	484	188	6741

SENT TO WORKHOUSE AND HOUSE OF REFUGE AND CORRECTION.

1882.

	Workhouse.			House of Refuge and Correction.			Total Workhouse and House of Correction.
	Males.	Fem'l's	Total.	Males.	Fem'l's	Total.	
January	100	20	120	6	.....	6	126
February	102	12	114	4	.....	4	118
March	123	26	149	4	1	5	154
April	98	27	125	3	.....	3	128
May	75	9	84	1	.....	1	85
June	90	19	109	7	.....	7	116
July	94	25	119	2	.....	2	121
August	124	31	155	2	2	4	159
September	124	29	153	9	1	10	163
October	104	26	130	4	.....	4	134
November	127	15	142	6	.....	6	148
December	96	18	114	8	.....	8	122
Total	1,257	257	1,514	56	4	60	1,574

LODGERS.

MONTHS.

January	129
February	221
March	297
April	294
May	146
June	51
July	61
August	61
September	58
October	86
November	263
December	443
Total	2,200

LODGERS FOR PAST EIGHT YEARS.

1875	14,645
1876	4,374
1877	4,861
1878	2,331
1879	1,751
1880	1,237
1881	1,504
1882	2,200

MISCELLANEOUS WORK PERFORMED BY POLICE DEPARTMENT.

Accidents Reported	144
Articles " lost	110
" found	119
Children reported as lost	223
Children found	221
Complaints received and given proper reference	497
Dead Animals reported	1,282
Doors found open	334
Estray animals reported	296
" " found	244
Fires reported	437
Persons reported missing	102
Runaways reported	76
Telephone messages, copied and filed	4,340
Windows reported open	59

PROPERTY REPORTED STOLEN AND RECOVERED.

Months.	Stolen.	Recovered.	Per cent. Recovered.
January	$ 4,581 41	$ 5,362 50	
February	6,979 98	547 11	
March	1,439 70	373 46	
April	2,057 77	2,829 65	
May	3,495 06	1,288 02	
June	1,485 43	1,451 18	
July	1,361 00	1,332 75	
August	1,534 25	1,124 25	
September	1,999 00	1,523 50	
October	1,836 50	707 00	
November	3,576 50	3,257 00	
December	14,962 00	2,824 40	
Total	$ 45,308 55	$ 22,120 82	$47\frac{73}{100}$

The large amount stolen in December was mostly from the jewelry establishment of P. L. Miles & Co.

" planing mills	11	3	4	1	1	.....	1	1	.....	22
" " cooper shops	4	.....	5	1	8	.....	6	14	11	49
" " oil works	3	3	6	1	12	.....	2	6	.....	30
" " passenger depots	3	1	2	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

FINES AND COSTS COLLECTED.

Months.	Collected by Superintend't of Police.	Collected by Superintend't of Workhouse.	Grand Total.
January	$ 2,316 99	$ 1,167 66	
February	2,780 08	1,197 18	
March	3,315 98	716 23	
April	2,392 30	1,430 83	
May	2,583 99	843 68	
June	2,167 33	797 87	
July	2,827 49	505 81	
August	3,623 10	614 89	
September	2,877 72	900 91	
October	2,945 82	845 91	
November	2,440 78	710 56	
December	2,326 51	662 37	
Total	$ 32,598 09	$ 10,398 40	$ 42,991 49

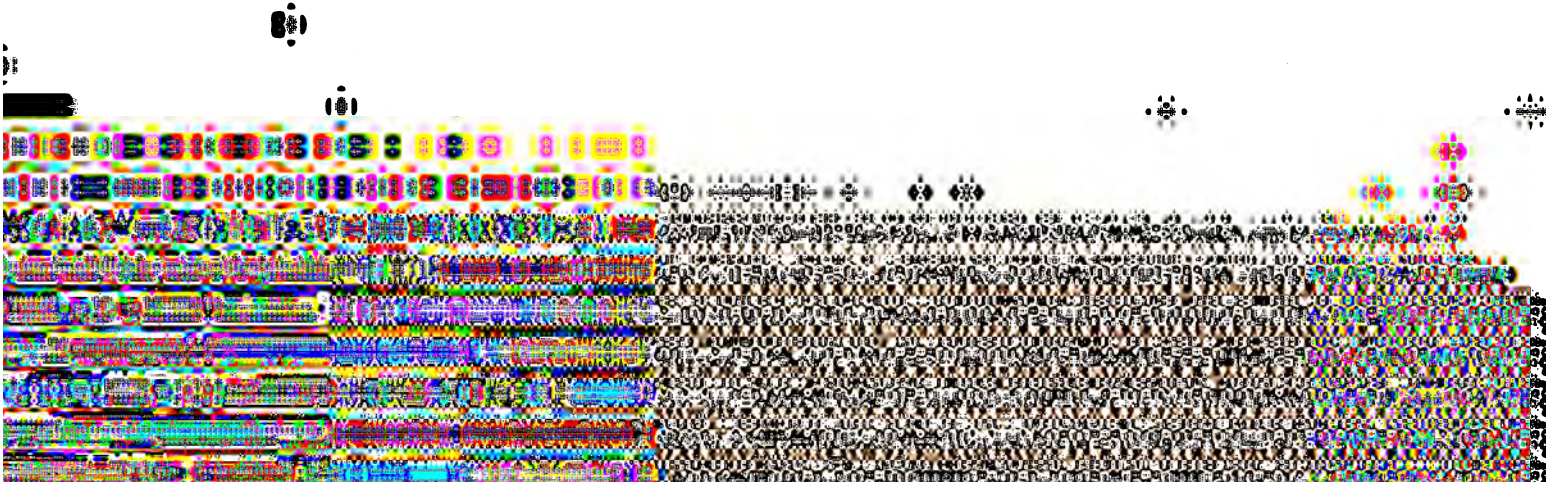
Fines and costs collected in 1880 ..... $ 20,451 49
" " " " " 1881 ..... 36,347 95
" " " " " 1882 ..... 42,991 49

APPOINTED DURING THE YEAR 1882.

	Where Stationed.	Date of Appointm't.	
	l street	January	10
	k street	"	12
	Cleveland Street Railroad	"	21
	ler & Co	"	23
	Iron and Steel Co	February	8
	h Electric Light Co	March	11
	pple Manufacturing Co	"	14
	h Side Public Square	"	21
	veland Hardware Co	April	7
	worth Run bridge	May	2
	" " "	"	2
	tral Way bridge	"	3
	nter street bridge	"	4
	aduct	"	4
	veland Rolling Mill Co	June	8
	" " "	"	8
	" " "	"	17
	" " "	"	17
	" " "	"	17
	" " "	"	17
	" " "	"	17
	" " "	"	17
	" " "	"	22
	" " "	"	22
	" " "	"	22
	" " "	"	22
	" " "	"	22
	" " "	"	22
	" " "	"	22
	" " "	"	22
	" " "	"	22
	" " "	"	22

MERCHANT POLICE APPOINTED—Continued.

Names.	Where Stationed.	Date of Appointm't.
W. Rathburn	Cleveland Rolling Mill Co.	June 22
D. N. Rees	" " "	" 22
Daniel Burr	" " "	" 22
T. S. Parks	" " "	" 22
J. H. Mishler	" " "	" 22
John Ryan	" " "	" 22
J. H. Jaques	" " "	" 22
James Skinner	" " "	" 22
H. T. Miller	" " "	" 23
J. A. Mathews	" " "	" 23
Wm. Wallace	" " "	" 23
E. R. Jones	" " "	" 23
F. Murphey	" " "	" 23
John Sullivan	" " "	" 23
Herbert Jones	" " "	" 23
James Legett	" " "	" 23
J. P. Young	" " "	" 23
A. Bartlett	Woodland Avenue Street Railroad	July 3
John Roos	Street Department	" 26
Otto Bachtold	Lorain street	August 15
M. Ruddy	Superior and Seneca street	October 3
Thos. Allen	Viaduct	" 25
M. J. Deegan	"Nickel Plate" Depot	November 3
Peter Ruckman	Franklin street	" 15
C. D. Carroll	St. John's Cemetery	December 2



FINANCIAL STATEMENTS.

FINANCIAL.

In comparison with past years the finances of this Department are shown to have been well managed. On January 1st we had one hundred and sixty-three men, while on December 31st we have one hundred and seventy-five, an increase of twelve during the year. The pay roll for 1882 is based on an increase over 1881 of about ten per cent. for patrolmen.

Total for 1882:

Salaries of the force, - - - - -	$139,722 35
" " " specials, - - - -	1,484 00
Miscellaneous expenses, - - - -	6,832 75
Total, - - - - - -	$148,039 10

or about Twenty Thousand Dollars less than in 1875.

The tax levy for 1883 of 1 17-20 mills, the balance now on hand, with what may reasonably be expected from dog licences and music permits, will be sufficient to meet the ordinary expenses of the Department, with the present force, but no addition can be made.

PENSION FUNDS.

In April, 1881, the Legislature passed an act establishing what is known as the Police Pension Fund. On May 1, 1881, this fund started with a credit of $3,980.58, and on December 31, 1882, it has a credit of $10,348.42. The net gain during the year 1882 has been $4,017.55, with all claims paid. This fund does not come from tax payers to any great extent, but from that class who pay but little or no taxes but manage to get arrested often.

LICE COURT FUND.

his fund has been during the entire expected. The Board have been able wo new Station Houses, make a large d at close of year have a balance of t of this fund in City Treasury.

ONTINGENT FUND.

ry 1st had a credit of $7,224.44. The ar were $3,653.50. Expenses, $4,079.- ber 31, $6,798.36; a loss of $426.08 June and July, during the strike in $1,893.26 was paid from this fund for r fare and dinners for extra police on herwise this fund would have made a which is all that can be expected under he Pension Fund now receives a hand- oneys that prior to May, 1881, went to d. Under ordinary circumstances this mall increase each year.

e Board have purchased ten thousand nt. bonds, Five Thousand for Pension sand for Contingent Fund, all of which than was paid for them, as Cleveland par.

CLOTH ACCOUNT.

uniforms to members of the force proves During 1881 we furnished 149 men ats, dress coats, blouses, vests and pants, or cloth, $1,358.01; for cutting, trim- 1,236.70—total, $2,594.71, an average an. During 1882 we have furnished 159 or cloth of $1,388.53; cutting, trimming

and making of $1,177.50—total, $2,566.03, an average of $16.14 for each man.

The agent's price for cloth in 1882 has been the same as in 1881, but our contract for cutting, trimming and making has been a trifle less. We make a gain by the transaction—in 1881, $79.66; in 1882, $69.66.

Our cloth is all purchased direct from the agents, Sullivan, Vail & Co, 329 Broadway, New York, at net cash prices, and by this means we are able to clothe our men as well as any force in the United States, and at a prices as low as the lowest.

POLICE FUND.

[illegible]		$ 1,882 81
[illegible] levy		145,609 24
[illegible] on dogs		4,778 00
[illegible] music permits		344 00
[illegible] property sold		25 13
		$152,139 18
[illegible]	$139,722 35	
[illegible] orce	1,484 00	
[illegible] specials	6,832 75	
[illegible] eous bills	4,100 08	
		$152,139 18

POLICE COURT FUND.

[illegible]		$ 8,997 44
[illegible]		21,484 42
		$ 30,481 86
[illegible]	$ 26,068 73	
[illegible]	4 413 13	
		$ 30,481 86

CONTINGENT FUND.

1882.			
Jan. 1.	To on hand		$ 7,224 44
Dec. 31.	" service of writs		2,715 96
	" cash returned		475 30
	" interest		366 58
	" whistles and clubs sold		26 00
	" gain on cloth sold		69 66
	Total		$10,877 94
Dec. 31.	By paid bills	$ 4,079 58	
	" on hand	6,798 36	
			$10,877 94

INVENTORY OF CONTINGENT FUND.

In city 4 per cent. bonds	$5,000 00
In Savings Bank	919 34
In cloth	714 56
In cash	164 49
Total	$6,798 36

CLOTH ACCOUNT.

1882.			
Jan. 1.	To on hand		$ 647 49
Dec. 31.	" purchased		1,517 61
	" gain on sales		69 66
	Total		$ 2,234 76
Dec. 31.	By sales	$ 1,520 23	
	" on hand	714 53	
			$ 2,234 76

[illegible]CE PENSION FUND.

[illegible]		$ 6,880 87
[illegible] ice of writs		1,479 05
[illegible] ness fees.		2,021 34
[illegible] s		175 95
" [illegible] cials		245 00
[illegible] wards		276 98
[illegible]		339 20
[illegible]		$ 10,898 34
[illegible]	$ 499 92	
[illegible] on bonds	50 00	
[illegible]	10,348 42	
		$ 10,898 34

IN[illegible]ORY OF PENSION FUND.

[illegible]	$ 5,000 00
[illegible]	5,344 99
[illegible] Co.'s	3 43
[illegible]	$10,348 42

REWARDS.

[illegible] ra duty, base ball, weddings, [illegible] etc.		$1,846 00
[illegible]		$1,846 00
[illegible] to men	$1,569 07	
" pension fund	276 93	
		$1,846 00

MUSIC PERMITS.

1882.			
Dec. 31.	To issued 172 at $2.00		$344 00
Dec. 31.	By paid City Treasurer	$344 00	
			$344 00

[illegible]ORTED STOLEN AND RECOV- [illegible] FOR NINE YEARS.

	Stolen.	Recovered.	Per cent. Recovered.
[illegible]	$35,559 83	$17,856 57	50.75
[illegible]	50,109 77	29,273 35	58 41
[illegible]	34,762 72	24,055 22	69 20
[illegible]	37,677 97	30,052 60	79 76
[illegible]	29,731 43	23,595 95	80.33
[illegible]	21,068 25	13,075 25	62 06
[illegible]	28,780 90	24,913 40	86 56
[illegible]	135,880 75	124,508 09	91 63
[illegible]	45,308 55	22,120 82	47 72

[illegible] DEPARTMENT FOR THE PAST TEN YEARS.

[illegible]	$158,299 18
[illegible]	162,770 28
[illegible]	168,302 68
[illegible]	152,508 30
[illegible]	149,459 33
[illegible]	145,134 54
[illegible]	130,999 33
[illegible]	132,802 61
[illegible]	133,440 40
[illegible]	148,039 10

[illegible] take a just pride in commending this [illegible] ying statistical tables to the considera- [illegible] e City Council and citizens generally, [illegible] sal will convince all that the affairs of [illegible] its charge have been faithfully and [illegible] stered.

[illegible] order of the Board,

THOMAS KING, *Secretary.*

POLICE PENSION LAW OF CLEVELAND, O.

AN ACT

To amend sections 1941, 1945, 1946, and 1947 of the Revised Statutes of Ohio.

SECTION 1, *Be it enacted by the General Assembly of the State of Ohio,* That sections 1941, 1945, 1946, and 1947 of the Revised Statues be amended to read as follows:

Section 1941. All moneys collected by the the police court of such city on account of the service by the police force of writs issued by such court shall be paid to the Board of Police, and such moneys, together with the moneys received by the Board from all sources whatever, the disposition of which is not otherwise provided for by this subdivision, shall constitute a fund, to be called the contingent fund, out of which shall be paid all incidentals or extraordinary expenses incurred by the Board, and the payment of which is not otherwise provided for by subdivision 2, chapter 5, division 5, title XII, of the Revised Statutes of Ohio. In cities of the second grade, class-first, two-thirds of all moneys collected by the police court as aforesaid, together with two-thirds of the moneys received by the Board from all sources whatever, as aforesaid, shall constitute the contingent fund, out of which payment shall be made, as above provided.

Section 1945. Fifteen per cent. of all rewards, fees, proceeds of gifts, emoluments that may be allowed by the Board of Police to be paid, or given on account of extraordinary services of a member of the police force, all unclaimed money, the proceeds arising from the sale of unclaimed property, and one-third of the moneys received by the board from all sources whatever, the disposition of which is not otherwise provided for by subdivision 2, chapter 5, division 5, title XII of the Revised Statutes of Ohio, one-third of all moneys collect-

on account of the service by the police
y such court, and whenever the name
force appears as prosecuting witness
urt, such witness shall be entitled to
day, which shall be charged by the
ts, and collected of defendant in case
case of other witnesses, all witness
of the force in the criminal court of
ch fees when collected, and all fines
of Police upon members of the force
shall be paid into the city treasury,
money now in the "police life and
," which is hereby transferred for that
stitute the "police pension fund,' and
time to time, constitute the Board of
rs of the city, and two members of the
ected by the members of said force on
January of each year, except the first
take place within thirty (30) days from
t, are hereby declared trustees of such
ent of said Board of Police shall be the
rd of Trustees hereby created, and the
ard of Police shall be the Secretary of
s, and it is hereby made the duty of said
cord of the proceeding of said Board of
n taken by it with regard to said fund,
embers of said police force, as herein
oard shall have power to draw such fund
the warrant of the President, counter-
ary, and may invest the same in inter-
the United States, the State of Ohio and
nd, and have power to draw the same
that purpose, and shall make report to

the city council of the condition of the fund on the first day of January of each year.

Section 1946. When a member of the police force has become disabled while in the active performance of official duty, or has performed faithful service as a member of such force for a period of not less than fifteen (15) consecutive years since May 1, 1866, he may, by a majority vote of all the members of the Board of Police Commissioners, be retired from active service and placed upon the pension roll, and when so retired, shall be paid from the fund provided for in the preceding section a pension of five hundred dollars a year in equal monthly payments. If at any time there should not be sufficient money to the credit of the police pension fund to pay all claims against it in full, claims on account of the death of members of the force, if there be any such, shall be first paid in full, and with as little delay as possible, after which an equal percentage shall be paid upon all other claims to the full extent of the fund on hand, and shall be accepted as a payment in full by the claimants. No member of the force shall be placed on the pension roll unless the health officer or police surgeon shall certify in writing that he is permanently incapacitated, either mentally or physically, from performing his official duties, nor unless due notice is given him by the Board of its intention to retire him. Officers on the retired list shall be subject to the orders of the Board of Police Commissioners. The Board of Police Commissioners may order them to be re-examined by the health officer or police surgeon, and if reported capable of performing active duty, may return them to regular duty. Officers on the retired list may be brought before the board of police commissioners for trial on chtrges, and shall be subject to the same penalties as officers in active service. Should an officer on the retired list be dismissed by the board of police commissioners, he shall forfeit all further

[illegible] lice pension fund. The board shall, [illegible] er the death of any member of the force [illegible] ll, or who has been killed while in the [illegible] y, or who has died in consequence of [illegible] e in the execution of his duty, pay the [illegible] dollars to his widow or minor children, [illegible] widow or minor children, then to such [illegible] were dependent upon the deceased for [illegible] be no such dependent person, then no [illegible] from the fund on account of such [illegible] cept a sum not to exceed one hundred [illegible] e used to defray the funeral expenses. [illegible] y member of the police force not upon [illegible] trustees of the "Pension Fund" shall [illegible] of the deceased, or other person duly [illegible] the same, the sum of one hundred and [illegible]

[illegible] he provisions of subdivision 2, chapter [illegible] II, of the Revised Statutes of Ohio, with [illegible] sion Fund" shall not apply to special [illegible] as herein provided at the request and [illegible] arties.

[illegible] d original sections 1941, 1945, 1946, and [illegible] e are hereby repealed.

[illegible] s act shall take effect and be in force [illegible] ssage.

THOS. A. COWGILL,
Speaker of the House of Representatives.

R. G. RICHARDS,
President pro tem. of the Senate.

[illegible] 1881.

H. B. No. 476.

AN ACT

To amend sections 1929, 1930, 1932, 1934 and 1939 of the Revised Statutes of Ohio.

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio*, That sections 1929, 1930, 1932, 1934 and 1939 of the Revised Statutes of Ohio be so amended as to read as follows:

SEC. 1929. The Board shall have power at any time to appoint a superintendent of the police force, a deputy superintendent of police, a captain of police, and an additional captain for each fifty patrolmen more than the first fifty, a lieutenant of the police for each twelve patrolmen, and a sergeant of police for each police precinct, and also regular or compensated patrolmen, not exceeding one for each seven hundred and fifty inhabitants; but the number of patrolmen may be increased with the consent of the Council, and the Board shall have power to appoint prtrolmen on probation and discharge them at any time within six months from the date of appointment; provided that, if demanded by such patrolman, the cause of his discharge shall be assigned him by the Board in writing; and the Board shall have the power, in cases of emergency, to appoint as many special patrolmen as it may think proper, which appointments shall be reported to and be subject to the action of the City Council at its next meeting.

SEC. 1930. The Board may, from the members of the force, appoint detectives, not exceeding ten in number, who shall act as secret police or detectives, one of whom shall be detailed as chief detective, bearing the rank of captain; and

, a vacancy exists in the number so
oard may appoint to such vacancy the
record required to be kept, as herein.
s to be the most meritorious, and the
e when they deem it for the greater
, relieve any of said detectives from
sign them to such position and service
deem advisable, and change their pay
k or grade assigned them; provided
ge or removal shall be made except
ed on a public hearing and on due no-
rules to be promulgated by the Board;
so appoint such suitable persons to act
attorneys of police, police surgeon, and
one operators as the demands of the
who shall receive such compensation as
rmine, in no case however exceeding
en.

ders of the police court shall be directed
t of police, and shall be executed by
for said purpose by the Board, and the
e members of the force, appoint such
ersons as may be necessary to attend
order and execute all process and or-
urt, and such persons shall be the spe-
superintendent of the police.

Board shall have the entire control of
e city, possess full power and authority
ization, government appointments and
city; have the custody and control of
ooks, records, and equipments belong-
rtment and have power to erect and
es of telegraph or other means of com-
ure all such equipments for the rapid

transit of police from one point to another in such places within the city as for purposes of police the Board deems necessary, whenever the Council authorize the establishment of such telegraph line or lines or other means of communication, or the procuring of said equipments and provides for the cost thereof; provided the Board may use for such purposes the police court funds, subject to the conditions and restrictions contained in section 1959 of the Revised Statutes.

SEC. 1934. The Board of Police and the force hereby constituted shall, at all hours of the day and night, within the boundaries of the city and as far as the Board may deem necessary for the welfare of the city within the county, preserve the public peace, prevent crime, arrest offenders, protect rights of persons and property, guard the public health, preserve order, remove nuisances existing in the streets, roads, places and highways, report all leaks or other defects in water pipes and sewers to the proper authorities, provide a proper force at every fire in order that thereby the firemen and property may be protected, protect strangers and travelers at steamboat and ship landings and railway stations, and generally obey and enforce all ordinances of the City Council, criminal laws of the State, and of the United States.

SEC. 1939. The superintendent shall receive a salary not exceeding twenty-five hundred dollars per annum, the deputy superintendent shall receive a salary not exceeding two thousand dollars per annum, each captain shall receive a salary not exceeding fifteen hundred dollars per annum, each lieutenant and detective to receive a salary not exceeding twelve hundred dollars per annum, each sergeant a salary not exceeding one thousand dollars per annum, and each patrolman a salary not exeeeding nine hundred dollars per annum; proviced the Board shall have power to detail one or more patrolmen to the Snperintendent of Police or Secre-

who shall receive a salary not exceeding
rs per annum; the pay in all cases to be
and the salaries to be paid monthly to
d thereto; provided, further, the Board
ot more than two women to be detailed
on to perform such duties as may be as-
d Board, the appointment and salaries of
governed by the rules and regulations
intment and salary of the doormen of the

aid original sections 1929, 1930, 1932,
hereby repealed.

is act shall be in force from and after its

J. N. HATHAWAY,
Speaker pro tem. of House of Representatives.

R. A. HORR,
President pro tem. of the Senate.

1883.

ANNUAL REPORT

OF THE

PROCEEDINGS

OF THE

POLICE COURT,

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DECEMBER 31, 1882.

POLICE COURT REPORT.

Report of the proceedings of the Police Court of the City of Cleveland for the year ending December 31st, 1882.

To the City Council of the City of Cleveland:

NUMBER OF PERSONS ARRAIGNED.

City Cases.....	Number.....	4,938	
State Cases...	Number.....	1,462	
State Examinations.....	Number.....	209	
	Total number.....		6,609

NUMBER OF PERSONS COMMITTED.

City Cases.....	To the Workhouse	1,113	
State Cases....	" " "	392	
City Cases.....	" " Central Police Station.....	288	
State Cases....	" " County Jail.....	3	
Children.....	" " House of Refuge and Correction.....	51	
	Total number.....		1,847

S TO THE JAIL AND WORKHOUSE.

ys to Workhouse	9,289	
" "	10,232	
" to County Jail	3	
mber		19,524

S AND COSTS ASSESSED.

nes	$28,607 00	
osts	8,090 16	
nes and costs overpaid	34 25	
ash paid for search made up-	7 20	
nes and costs collected dur- ear, which were assessed in or to the months in which col- s made	319 70	
al in City Cases		$37,058,31
nes	$17,966 00	
osts	13,185 54	
nes and costs overpaid	2 49	
osts paid in on State examin-	52 96	
nes and costs collected dur- ear, which were assessed in or to the months in which the as made	647 11	
al in State Cases		31,854 10
nes and costs assessed in both fate cases		$68,912 41

DISPOSITION OF THE FINES AND COSTS ASSESSED.

City Cases.....	Amount to City Treasurer.....	$18,442 88	
" "	" " Police Commissioner.....	1,399 58	
" "	" " " Pension Fund.....	2,080 29	
" "	From officers' witness fees, $1,380.50.		
" "	" ⅓ of marshalls' fees, 699.70.		
" "	Amount of fines upon Committments to Workhouse.....	10,798 00	
" "	Amount of costs upon committments to Workhouse.....	1,883 68	
" "	Amount of fines upon committments to Central Police Station.....	1,044 00	
" "	Amount of costs upon committments to Central Police Station.....	243 30	
" "	Amount of fines and costs uncollected.....	234 43	
" "	" " costs in cases dismissed.....	292 45	
" "	" " " " nolled.....	46 50	
" "	" " fines and costs remitted.....	53 80	
" "	" " " " " pending in other courts upon a petition in error.....	496 90	
" "	Amount of costs in cases where bail bonds were forfeited.....	47 50	
	Total in city cases.....		$37,058 31
State Cases....	Amount to County Treasurer.....	$10,480 34	
" "	" " Humane Society.....	195 00	
" "	" of fines upon committments to Workhouse.....	10,332 00	
" "	Amount of costs upon committments to Workhouse.....	3,077 83	
" "	Amount of costs in cases dismissed.....	2,099 53	
" "	" " " " nolled.....	357 27	
" "	" " fines and costs uncollected.....	593 77	
" "	" " " remitted by the court.....	170 00	
" "	" " costs in cases wherein bond was forfeited.....	97 94	
" "	Amount of fines and costs pending in other courts upon petition in error.....	4,450 42	
	Total in State cases.....		$31,854 10
	Grand total in both State and City cases..		$68,912 41

STATE EXAMINATIONS.

where defendants were bound		
mon Pleas	$1,492 25	
	220 86	
	81 10	
was forfeited	4 50	
		$1,798 71

NESSES AND JURORS FEES.

ED DURING THE YEAR.		
ga county	$7,773,85	
of Cleveland	948 90	
		$8,722 75

THE CENTRAL POLICE STATION DURING THE YEAR 1882.

	$ 2,316 99	
	2,780 08	
	3,315 98	
	2,392 80	
	2,583 99	
	2,167 83	
	2,827 49	
	3,623 10	
	2,877 72	
	2,945 82	
	2,440 78	
	2,226 51	
		$32,598 09

DISPOSITION OF THE CASH COLLECTED AT CENTRAL POLICE STATION.

Paid County Treasurer	$10,480 34	
" City Treasurer	18,442 88	
" Police Pension Fund	2,080 29	
" Police Commissioners	1,899 58	
" Cleveland Humane Society	195 00	
Total amount		$32,598 09

TULATION OF CITY CASES.

	3,093
	370
	361
nce	220
	153
ce	99
	73
	71
	61
ce	57
	54
	29
me	28
	20
	19
on	18
	16
	14
nce	14
nce	13
	12
	10
	10
	9
nce	8
	8
	7
	7
	7
	7
nce	6
ce with intent to swindle	6
	5
	5
	5
nce	5

Violating water works ord'nce	5
" ball "	4
" fire "	4
" hack "	4
" viaduct "	3
" street railroad "	3
Habitual disturber of peace	3
Violating street car ordinance	2
" park "	2
" dog "	2
" cattle "	2
" dray "	1
" w'g't and meas. "	1
" crosswalk "	1
" runners "	1
Total city cases	4988

RECAPITULATION OF STATE CASES.

Assault and battery	507
Petit larceny	369
Violating railroad law	79
Intoxication	66
Carrying concealed weapons	51
Incorrigible conduct	42
Contempt of court	42
Violating Sunday liquor law	34
Receiving and concealing stolen property	30
Destroying property	24
Cruelty to animals	23
House breaking and larceny	15
Keeping house of ill-fame	14
Violating State butter law	12
Obstructing officer	11
Housebreaking in daytime	11
Embezzlement	11
Assault	11

Trespass	1
Selling intoxicating liquor to minors	1
Total number	1462

STATE EXAMINATIONS.

Burglary and larceny	45
Grand Larceny	40
Robbery	21
Shooting with intent to wound	12
Burglary	11
Forgery	10
Assault with intent to rape	9
Cutting with intent to wound	9
Fugitive from justice	8
Assault with intent to kill	7
Arson	6
Shooting with intent to kill	5
Horse stealing	4
Assault with intent to rob	3
Bigamy	3
Embezzlement	2
Manslaughter	2
Receiving and concealing stolen property	2
Obtaining money by false pretenses	2
Stabbing with intent to wound	1
Rape	1
Incest	1
Perjury	1
Violating railroad law	1
Throwing hard substance at railroad car	1
Passing counterfeit money	1
Obtaining goods by false pretences	1
Total number	209

Respectfully submitted.

WM. BAXTER, *Clerk*.

January 31st, 1883.

TENTH

ANNUAL REPORT

OF THE

HEALTH DEPARTMENT

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DECEMBER 31, 1882.

G. C. ASHMUN, Health Officer.

OFFICERS.

R. R. HERRICK,
Mayor and President of Board.

G. C. ASHMUN,
Health Officer.

W. H. FARRAND,
Secretary.

MEMBERS OF THE BOARD OF HEALTH,
And when their time expires.

R. R. HERRICK.....Ex-officio Member
WM. J. SCOTT, M. D.....1885
ALBERT J. COOK, M. D.....1885
WM. H. HUMISTON, M. D.....1884
CHAS. C. DEWSTOE, Plumber.....1884
H. W. KITCHEN, M. D.....1883
J. F. ARMSTRONG, M. D.....1883

STANDING COMMITTEES FOR 1882.

RULES AND REGULATIONS—Wm. H. Humiston, C. C. Dewstoe and H. W. Kitchen.

MEN AND DISCIPLINE—H. W. Kitchen, J. F. Armstrong and C. C. Dewstoe.

SANITARY AFFAIRS—Wm. J. Scott, H. W. Kitchen and J. F. Armstrong.

PEST HOUSE AND PRISONS—J. F. Armstrong, A. J. Cook and Wm. H. Humiston.

PUBLIC BUILDINGS, HOSPITALS AND SEWERS—C. C. Dewstoe, Wm. J. Scott and A. J. Cook.

FINANCE AND ACCOUNTS—A. J. Cook, Wm. H. Humiston and C. C. Dewstoe.

EMPLOYES.

GEO. ANDERSON. Inspector of Sewers.
MISS NELLIE C. PUGH, Copyist.
Small-pox Hospital and Farm.
CHAS. KOHLMAN, Steward. MRS. CATH. KOHLMAN, Matron.
C. C. ARMS, Physician.

SANITARY POLICE.

No. 1. C. C. RAND.....Walworth Run and Slaughter Houses
No. 2. H. F. BEAKEL.....5d and 3d Wards
No. 3. F. H. MARSHALL.....11th, 12th and 13th Wards
No. 4. ALEX. MORISON.....14th and 18th Wards
No. 5. ALLEN ARMSTRONG.....8th, 9th and 10th Wards
No. 6. J. W. DWYER.....5th and 9th Wards
No. 7. A. G. JONES.....1st and part of 4th Wards
No. 8. J. MCLAREN.....15th, 16th and 17th Wards
No. 9. J. C. LARWILL.....6th and part of 4th Wards

Tenth annual report of the Secretary of the Board of Health for the year ending December 31st, 1882. Approved by the Board at its session April 13th, 1883, and the Health officer was instructed to forward the same to the City Council, with a request that it be printed.

By order of the Board.

R. R. HERRICK,
President.

W. H. FARRAND, *Secretary.*

GEO. C. ASHMUN, M. D.
Health Officer.

ANNUAL REPORT

OF THE

HEALTH OFFICER.

Honorable Board of Health:

GENTLEMEN,—According to returns made to the Secretary of the Board, there were three thousand five hundred and sixty-three (3,563) deaths in this city, during the year 1882, During the year previous, there were three thousand seven hundred and twenty-seven (3,727). Exhibiting a death-rate per thousand of the population (189,000) of 18.85. Of this number, ten hundred and twenty-five (1,025) were of children under one year of age; a percentage of the whole number of deaths, of 28.61. Of those under five years of age, there were sixteen hundred and forty; a percentage of the whole of 46.02.

Among the causes of death which have special interest, there were returned those occurring from small-pox, 8; diphtheria, 208; croup, 105; scarlet fever, 74; typhoid fever, 119; diarrhœal diseases, 433; consumption, 312; acute lung diseases, 275; deaths by violence, 139.

BIRTHS.

The number of births reported for the year, was five thousand five hundred and twelve (5,512); an excess of births over deaths of nineteen hundred and forty-nine (1,949). The largest number of births in any month was returned

for December, five hundred and fifty-seven (557); and the smallest number for June, three hundred and seventy-five. The returns show a birth-rate per thousand, of the entire population, of 29.16+. (The number of births reported for the preceding year was five thousand one hundred and fifty-two (5,152), an increase for 1882 of three hundred and sixty-one (361).

In regard to the returns made to the Secretary, it is certain that those of deaths are much more complete than those of births. The several checks upon the removal and burial of bodies, after death, secures a more faithful compliance with the ordinance, in this respect, than in regard to births. And while this is true in regard to the number of deaths, the returns in regard to "causes of death," cannot be considered very reliable. Difference in opinion, and difference in the use of terms to describe similar conditions, together with errors from ignorance and want of care, must always render returns obtained through such channels of comparatively little worth. While in respect to returns of births, it is more than probable that quite a large percentage are never reported. The physicians and midwives, from whom such reports are required, appear to be quite generally impressed with the feeling that to them, and the community, it is profitless service. It is certainly creditable to them, that with such a feeling they so promptly prepare and forward the reports required.

In regard to the infectious diseases which have prevailed to some extent during the year, none have become epidemic. Thirty-four cases of small-pox, modified and unmodified, occurred in various parts of the city. In no instance did it spread from the premises in which it was found. And in nearly every instance, the source from whence it came could be determined. The proportion of deaths from this disease

was one in four of all the cases. The deaths, with one exception, were among those not even nominally vaccinated. No case has occurred since August.

The system of placarding houses in which there were cases of diphtheria and scarlet fever, has been continued with a fair degree of efficiency. As knowledge of such cases comes from the attending physician, and as diagnosis may be slowly reached, it has often occurred that "placarding" has been delayed to a stage of great danger. And, although it is scarcely demonstrable what good, if any, has been accomplished by this system, one effect has been observed, i.e., the improved efforts and courage on the part of physicians, nurses, and friends, to insist on more complete isolation of the affected—that the scope and efficiency of truly preventive measures, in this class of diseases, can certainly be increased. There is reason to believe that few physicians appreciate the necessity for careful instructions to their patrons in regard to the manner and means by which such diseases originate and spread. In all of those diseases which are spread by the conveyance of poisonous matters from individual to individual, the neccessity for rigid isolation of the affected is apparent, and will certainly prevent a spread of scarlet fever, measles, whooping cough, mumps, etc.

The total number of cases reported during the year; of diphtheria, 837; scarlet fever, 516; small pox, 34; typhoid fever, 56.

It will be observed from the figures already quoted that there were many more deaths reported from typhoid fever than all of the cases! And, while it is thus shown that such cases have not been fully reported, there is good reason to believe that many more cases of diphtheria were reported than actually occurred. In several instances cases of scarlet fever and diphtheria have been reported one day, to be declared convalescent the next by the same physician.

An interesting feature, in a local point of view, is presented by the fact that some parts of the city have been almost exempt from infectious diseases during the year. For example, in the Eighth ward no deaths were reported as occurring from diphtheria, and but few from typhoid fever. The entire central portion of the city was markedly free from these two diseases, while in the outlying wards deaths from these two diseases have been common. A comparison of wards which have been so nearly free with those in which these diseases occurred, in regard to habitations, habits of life, occupation, condition of soil, or relation to other parts of the city has failed to afford light upon the causes of the difference.

MEDICAL CARE OF THE SICK POOR.

The medical care of the sick poor, by district physicians, has been continued. The total number of cases treated by them, belonging to this class, was two thousand and ninety-five (2,095). For this purpose four thousand six hundred and ninety-nine (4,699) visits were made, and six thousand four hundred and ninety (6,490) prescriptions given when no visits were required. Free vaccination was performed upon nineteen hundred and seventy-two (1,972) persons (see table annexed). Medicines have been furnished by the district physician, except in cases of syphilis and consumption, which have been supplied upon the order of the physician, from this department.

The physicians employed by the Board for this purpose have had few complaints made against them, from a very generally complaining class, and there is reason to believe that much relief has been given by them.

SANITARY FORCE.

The Sanitary force has remained unchanged during the year. Nine patrolmen have been employed throughout the year. They have served notices to the number of twenty-one thousand and sixteen, in the aggregate. These "notices" are exclusive of verbal orders, and refer to all varieties of offenses against cleanliness, healthiul conditions, and purity of air, water and food.

The service of the patrolmen has, in general, been faithfully rendered, with circumspection and care. Their experience, acquired in service, has enabled them to perform more efficient work during the year than ever before. This has led to fewer complaints from citizens, and an increased respect for the officers and Department.

There can be no question that Sanitary patrolmen, as well as other officers performing police duty, are most efficient when secure in their positions, so long as their work is well done. For this reason, I would recommend that measures be taken to make such appointments permanent, with dismissal impossible, except for cause.

CONTRACTORS.

The contractors employed and under the supervision of this Department, for the removal of night soil, dead animals, and swill and garbage, have given but little cause for complaint. This is especially true of the first named. In regard to the removal of swill and garbage, it will be remembered that the service, in its present form, is new, commencing during the year. Nearly fourteen hundred families, hotels, and restorants have been more or less satisfactorily served. The chief hindrances to this branch of work have arisen from want of care on the part of citizens to place such waste in proper vessels and convenient places; and the employment by the contractors of men not intelligent or

disciplined enough to follow the route given them. The system of serving only those on a street who request such service, or who are forced to receive it, involves a care on the part of gatherers which is not easily attained. If each street within certain boundaries was to be thoroughly patrolled by the scavenger's wagon, at regular intervals, much annoyance would be saved. And the clause of the present contract under which the contractor (in case of failure) is to receive thirty-six hours' notice before any one else can be employed to do the work, might better be left out, so that immediate relief could be furnished in case such failure occurs. The rapid decomposition of such substances, renders prompt removal necessary.

REVIEW.

Notwithstanding the great changes made throughout the city during the year, in building, laying of pavements, sewers, and water pipe, no especial ill effects have been observed from soil exposure. The replacing of wood with stone for pavement, and the improved drainage by sewers in unpaved streets, has certainly improved the sanitary prospects of the city. And the fear that such changes involved increased sickness along the streets where they were made, did not prove true. In this connection, permit me to call your especial attention to the recommendations of the Sewer Inspector in regard to improved sewer ventilation. With all the skill of faithful and intelligent workmen, the effects of sewer air in buildings are still observable, and all possible precautions, in addition, are to be commended. And there appears to be no reason to doubt the utility of perforated covers for all street openings into sewers in lessening the danger from this source.

I would also call your attention again to the need of employing some person, whose entire time should be given to

the inspection of food substances. Adulteration of these substances is now so common and easy, that only by constant inspection can the public be protected in their use. Such inspection can be made only by a person educated and skilled to detect. The number of such substances is too great for enumeration here, and is constantly increasing. Scarcely a day has passed during the year, when demands for analysis, or test of some kind, has not been made.

This Department is under renewed obligations to the other branches, and officers of the city government. The relations have been harmonious and helpful; and to this Board for their confidence, support and interest, I express my appreciation.

G. C. ASHMUN,

Health Officer.

TENTH

ANNUAL REPORT

OF THE

SECRETARY

OF THE

Board of Health

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DECEMBER 31, 1882.

SECRETARY'S REPORT.

To the Honorable Board of Health:

GENTLEMEN:—I have the honor to submit to you for approval the tenth annual report of the Board of Health, for the year ending December 31st, 1882.

Two members are appointed annually by the City Council to serve on this Board. One, Dr. W. J. Scott, was his own successor; the other retiring member, Mr. John D. Crehore, declining the honor, was succeeded by Dr. Albert J. Cook, and the Board reorganized and re-elected all the old employes, since which time there has been but one change, Dr. Frank Daykin, physician to fifth district, resigned a few days after his election and was succeeded by Dr. F. J. Morton, who is still in the employ of the Board.

The finances to maintain this Department are obtained by a tax levy, and the amount of levy is fixed by the City Council, based on an estimate furnished by this Board. The Council, for reasons best known to themselves, reduced the sum fixed by the Board, and were obliged, in the month of October, to transfer the sum of $3,500 from the Market to the Sanitary Fund, to prevent the discharge of the employes. There are several other sources from which money is obtained, and are classified under the following heads:

Balance on hand December 31, 1881, .	$ 3,972 20
Amount of levy, ...	11,906 15
Transferred from Market Fund, . .	3,500 00
Received from 66 slaughter and rendering licenses,	660 00
" " 565 milk permits. . .	565 00
" " Newburgh Fertilizer Co's contract to remove dead animals, .	572 50
" " sale of milk testers, . .	6 85
" " sale of vaccine virus, . .	4 30
" " sale of garden truck from pest house, . . .	8 09
" " patients who were able to pay for care at pest house, . . .	42 00
Total, ...	$21,137 10

This sum was expended by order of the Board, and has been sub-divided and classified under two heads, one called General Expenses, which includes all the expenses except that used on the Pest House and farm attached.

The General expenses are for

Printing and stationary	$ 575 35
Use of horse for Inspector of slaughter houses	240 00
Use of horse for the Health Officer (from May)	143 44
Gas	15 39
Salary of Health Officer	1,999 92
Salary of Secretary	1,116 65
Salary of Inspector of Sewers	815 00
Salary of assistant Secretary for 292 days	298 00
Salary of nine Sanitary Patrolmen	6,783 76
Salary of eight District Physicians	3,128 83
Advertising	41 94
Removing swill and garbage, six months	2,497 34
Medicine for chronic indigent poor	44 39
Rent of telephone	60 50
Chemical apparatus for testing milk, etc	29 56
Vaccine virus	221 00
Printing ordinances and binding	25 49
Buttons for Sanitary Police	7 50
Suene butter	9 69

Cleaning carpets	12 10
Printing and binding Annual Reports	90 66
Directory	5 00
Street car tickets	31 00
Stamps and postal cards	66 72
Miscellaneous	18 57
Total	$ 18.272 80

There is an increase over 1881 in General Expense account of $3,415.21, which is accounted for in the contracts for removing garbage and swill, under which work was begun June 7th, and a slight increase in salaries of the employes, with a host of small items incident to an active season, which cannot be accurately estimated in advance.

The Smallpox Hospital, or Pest House, cost $883.12 more than last year. Twenty-seven cases were treated — an in-. increase of sixteen over 1881. During the year it was found necessary to purchase a new horse, wagon and harness, to replace a horse that died, and the wagon and harness were old and not safe to continue in use. The farm line fences are very much in need of repair, as, in fact, is nearly everything in and about the house and farm.

I have arranged the expenditures for this department in the following manner:

Expenses of Smallpox Hospital and Farm.

Surgeon and physician	$ 385 00
Salary of Steward and Matron	360 00
Groceries, seed and meat	638 12
Horse, wagon and harness	253 00
Clothing for discharged patients	18 19
Private bedding destroyed	10 90
Messenger taking supplies	18 50
Burial cases and digging graves	20 00
Kitchen furniture, etc	44 14
Load of hay	10 83
Plowing, cutting hay, and extra help	75 75
Coal	56 90
Medicines	24 30
Repairs on building	13 50
Washing	18 25

Horseshoeing		8 25
Repairing line and rent of telephone		40 00
Horse hire		14 30
Sundry		36 57
Total		$2,056 52
Total resources		$21,137 00
Total expenses for 1882—		
General account	$18,272 80	
Smallpox Hospital, etc	2,056 55	
Balance on hand	807 78	
Total		$21,137 10

The Board must remember that the balance on hand has been pledged in the sum of $235.88; 10 per cent. deducted each month from the swill and garbage contractors, the amount so deducted to be paid when the work contracted for has been completed.

There has been expended annually during the ten years ending with 1882, the following sums:

1873	$28,416 14	1878	$12,498 71
1874	25,056 58	1879	12,036 52
1875	19,549 38	1880	12,908 95
1876	16,168 05	1881	16,030 99
1877	14,283 18	1882	20,329 32

The season of 1882 cannot be called a hard one, but the open winter and moist summer caused the department to be unusually alert.

One of the most important acts of the Board was its conference with the Committee of the City Council on Health and Cleanliness, and on Sewers and Sewerage, with results eventually causing numerous extensions or branch sewers to be constructed; some of them, as a sanitary necessity, have been desired for several years, and more mains and branch sewers are proposed, and will be completed the coming year, and all the territory in the corporate limits of the city embraced in districts, and the conference was the cause of instructing the City Council on the working of this depart-

ment, so that at the present time complete harmony prevails, and not only with the Council, but all the other Boards and Departments of the City Government, to the mutual benefit of all.

I issued during the year fifty-two licenses to slaughter cattle and hogs, render tallow or dress poultry, at $10 each. Fourteen hundred and twenty-seven complaints were registered, exclusive of those against the swill and garbage contractors, which were more numerous than could have been expected from the promises made when these contracts were being entered into. Thirteen hundred and eighty-seven applications were received for the removal of swill and garbage, and some of these appear four or five times.

MILK.

There is sold each day on an average 13,064 gallons of milk(?)—7,032 gallons by country dealers; 4,738 by city milkmen, including milk sold by persons owning one or more cows, who do not run a wagon or cart, and 1,294 gallons are re-sold by grocers, bakers and retail milk depots. Sixteen hundred and twenty-three cows are said to be owned by country milkmen, and 432 by city peddlers. Fifty-three city and forty-three country dealers have no cows, and purchase all their milk.

NIGHT SOIL.

Little or no trouble has been experienced with this contract during the year. The system of re-examining vaults by the Sanitary Patrol after they have been reported as cleaned (by the contractor), has worked like a charm, and but few complaints are made. Sixteen thousand four hundred dollars and twenty-five cents were deposited in the office for the removal of 7,289 cubic yards of night soil, an increase over last year of 1,173 yards, and $276.98 was paid back in rebates.

[illegible] ited to clean 344 vaults, for which no [illegible] on was made — 232 to George Dart, 104 [illegible] d 8 to George Gee. George Dart was [illegible] onvicted of dumping night soil in the [illegible] nmendation of the Health Officer, per- [illegible] ranted to him. Twelve hundred and [illegible] granted to build the regulation brick and [illegible]

ONTAGIOUS DISEASES.

[illegible] cases reported during the year, those of [illegible] orrect. The records show, diphtheria, [illegible] 16; typhoid fever, 56; smallpox, 32. [illegible] phoid fever, as reported, are 132. It [illegible] to presume that 132 cases of typhoid [illegible] the same number of deaths occurred, [illegible] so no estimate is made based on the [illegible]

MORTUARY.

[illegible] odies removed from this to other cities [illegible] emetery was established in the Eighteenth [illegible] s removed from the old cemetery to the [illegible] mits issued, as an ordinance was passed [illegible] al.

BURIAL PERMITS.

[illegible] ade in the manner of obtaining burial [illegible] permit to be issued on the report of the [illegible] dvance of the physician's report. This [illegible] nce to the undertaker, and allows the [illegible] ithout any delay, the undertaker merely [illegible] n, and, in so doing, he frequently gives [illegible] D. who has never, to his knowledge, seen [illegible] urally refuses to certify to the cause of [illegible] h Officer and Secretary have tried to

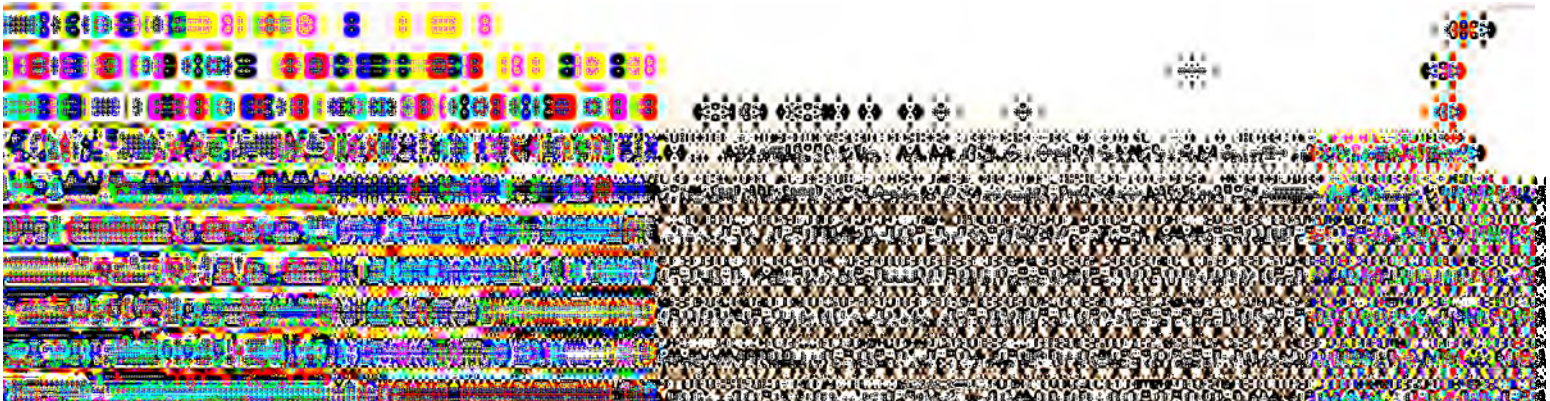
keep this record as it should be kept, but for lack of time and other and more urgent matters, it is incomplete.

I have also prepared to accompany this report tables giving the total number of deaths occurring in 1882—deaths from zymotic diseases, by wards; deaths occurring in Public Institutions, and nativity; total number of births; and condensed the monthly reports of District Physicians; also classified the nuisances abated by the Sanitary Patrol.

Hoping the assistance rendered has met with your approval. I am most respectfully,

Your Obedient Servant,

WM. H. FARRAND, *Secretary.*



STATISTICAL TABLES.

ACTUAL MORTALITY FOR 1882.

Cause of death.	Year.			Age by years.											Color.		Sex.		Social relation.			Actual death rate per 1000 in a population of 189,000.*
	1880.	1881.	1882.	Under one year.	1 to 5 years.	Total under 5 years.	5 to 10 years.	10 to 20 years.	20 to 30 years.	30 to 40 years.	40 to 50 years.	50 to 60 years.	60 to 70 years	70 and over.	White.	Colored.	Male.	Female.	Married.	Widow or widower.	Single.	
Zymotic diseases..	1199	1455	1250	391	376	767	154	85	81	43	85	24	35	26	1236	14	610	640	149	45	1056	6.61
Constitutional ".	469	567	542	75	29	104	13	44	108	87	67	60	41	18	529	13	263	279	247	36	259	2.87
Local ".	1080	1342	1377	472	195	667	44	52	79	97	92	95	144	107	1352	25	770	607	403	133	941	7.28
Developmental ".	288	223	245	83	11	94	....	....	19	16	4	....	4	108	238	7	92	153	73	72	100	1.30
Deaths by violence	120	126	149	3	5	8	13	17	36	33	20	7	6	9	148	1	122	27	72	12	65	0.79
Total, all causes	3156	3727	3563	1024	616	1640	225	199	324	276	218	186	229	266	3503	60	1857	1706	944	298	2321	18.85

Still births reported 1882, were 325: 1881, were 243; 1880, were 154.

* Population estimated to be 189,000 on July 1, 1882.

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
First Ward	2	3	.....	7	5	1	10	.....	4	9	.....	11	52	163	161	10,098	16.14
Second "	1	1	5	8	4	.....	9	.....	6	3	2	6	54	137	114	6,353	21.56
Third "	.....	.....	1	.....	1	.....	2	.....	.....	1	.....	2	7	35	35	3,135	11.16
Fourth "	1	.....	3	13	5	.....	8	.....	5	14	1	10	60	224	199	12,839	17.45
Fifth "	.....	1	3	6	1	1	19	.....	5	13	6	14	69	230	230	13,902	16.54
Sixth "	.....	3	7	18	10	.....	23	.....	22	9	2	17	111	387	301	23,549	16.43
Seventh "	1	2	5	11	10	3	20	.....	14	14	5	12	97	247	243	12,274	20.24
Eighth "	.....	.....	1	1	3	.....	15	.....	6	8	3	13	50	159	159	9,020	17.63
Ninth "	.....	1	.....	5	2	3	14	.....	4	7	.....	13	49	135	135	7,878	17.14
Tenth "	.....	.....	6	13	5	.....	13	.....	12	1	.....	13	63	165	165	11,144	14.81
Eleventh "	.....	1	8	21	8	5	14	.....	13	11	.....	17	98	267	267	14,481	18.44
Twelfth "	2	.....	17	17	9	5	16	.....	4	16	.....	22	108	289	289	11,932	24.40
Thirteenth "	.....	.....	2	28	20	4	23	.....	1	27	.....	17	122	305	218	9,003	33.88

ZYMOTIC DISEASES BY WARDS FOR 1882.—Continued.

WARDS.	Small Pox.	Measles.	Scarlatina.	Diphtheria.	Croup.	Whooping Cough.	Cholera Infantum.	Typhus Fever.	Typhoid Fever.	All Diarrhœal Diseases	Cerebro Spinal Fever.	Other Zymotic Diseases.	Total Deaths from Zymotic Diseases.	Total Deaths from all causes.	Total Deaths exclusive of those in Public Institutions.	Population of Wards, July 1, 1882.	Annual Death Rate per 1,000 in a population of 189,000.
Fourteenth Ward	.....	3	5	17	18	10	29	.....	7	7	1	9	101	279	279	11,325	24.64
Fifteenth "	.....	2	2	12	2	2	16	.....	5	5	2	7	55	136	136	7,512	18.10
Sixteenth "	1	.....	.....	17	3	3	7	.....	3	2	2	2	40	85	85	6,211	13.69
Seventeenth "	.....	.....	2	7	9	2	9	.....	2	5	.....	4	40	91	91	5,631	16.16
Eighteenth "	.....	3	8	9	8	2	26	.....	9	3	1	12	81	229	221	12,713	18.01
Total	8	20	75	210	118	41	273	.....	122	155	25	201	1,248	3,563	3,328	189,000	18.85

[illegible]D IN PUBLIC INSTITUTIONS DURING [illegible] ENDING DECEMBER 31, 1882.

[illegible] Institution.	Male.	Female.	Total.
[illegible]	21	7	28
[illegible]	47	38	85
[illegible]	17	7	24
[illegible]	23	22	45
[illegible] Asylum	2	3	5
[illegible]	2	.....	2
[illegible]	3	.....	3
[illegible]	.....	5	5
[illegible]	1	2	2
[illegible]	.....	.....	.....
[illegible]	.....	3	3
[illegible]	.....	.....	.....
[illegible] Asylum	2	.....	2
[illegible]	14	7	21
[illegible]	1	1	2
[illegible]	6	2	8
[illegible]	139	96	235

NATIVITY.

	Male.	Female.	Total.
Cleveland	895	869	1764
Other parts of United States	275	277	552
Germany	288	216	504
Ireland	119	127	246
Canada	18	30	48
England	75	51	126
Bohemia	40	38	78
Other Foreigners	87	56	143
Unknown	60	42	102
Total	1857	1706	3563

EAR END

15 to 20	20 to 25	
12	35	
12	123	1
20	142	1
17	115	1
26	122	1
21	106	
13	118	1
26	136	1
27	138	1
26	130	1
16	113	1
26	158	1
245	1436	14

MBER, 31, 1882, CONDENSED.

	Sewers filthy.	Sewer connections.	Stables.	Swill and garbage.	Water closets.	Wells examined.	Vaults cleaned.	Vaults closed.	Vaults, new.	Yards filthy.	Miscellaneous.	Arrests.	Total.
C. C. Ra	.....	.....	6	4	.....	.....	..	.....	.....	.....	.....	.....	776
H. F. Be	101	183	16	641	60	19	248	90	15	166	.....	.....	2887
F. H. Ma	39	.....	.....	276	.....	26	643	58	88	78	....	....	1977
Alex. Ma	1	1	28	116	4	15	141	28	125	84	162	20	1905
Allen A	38	85	29	4	735	23	82	26	10	.....	.....	....	2648
J. W. D	8	13	10	116	4	13	637	14	37	74	49	7	2961
A. G. Jo	51	134	13	340	40	19	371	67	13	144	30	7	2545
J. McLa	.....	1	.....	86	89	6	370	2	264	11	25	7	1726
J. C. La	20	98	2	433	24	16	570	98	51	27	268	14	3840
Total	258	515	104	2016	956	137	3062	383	603	784	534		21267

October	17	25	23	7	10	17		5	10	2	10	2	8	1	1				1
November	42	78	48	20	22	41	1	14	27	1	20	6	6	4			2	4	42
December	75	231	111	45	30	66	9	25	50		16	7	30	7				15	75
Total	786	2585	1068	388	398	708	78	321	462	3	214	68	354	69	1		2	78	786

Respectfully submitted, JOHN F. GIBSON, Physician District No. 1.

[illegible]

January	26	49	77	10	16	25	1	11	15		12	3	11							26
February	20	48	74	6	14	20		7	13		10	3	6	1						20
March	17	32	28	6	11	16	1	6	11		7	1	6	2			1			17
April	14	30	35	8	6	13	1	6	8		4	1	8	1						14
May	10	22	25	7	3	9	1	7	3		3	1	6							10
June	9	17	22	1	8	5	4	4	5		4		2	2			1			9
July	11	27	48	7	4	8	3	4	7		6		4	1						11
August	14	50	80	9	5	12	2	4	10		9	2	3							14
September	12	29	37	8	4	10	2	5	7		7	2	3							12
October	11	18	21	7	4	11		3	8		8	1	1				1			11
November	14	24	20	5	9	14		8	6		6	1	4	2			1			14
December	17	26	27	6	11	17		7	10		5	1	10		1					17
Total	175	372	494	80	95	160	15	72	103		81	16	64	9	1		4			175

Respectfully submitted, W. C. CRAVEN, Physician District No 2.

September	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
October	9	31	58	3	6	9	.....	4	5	.....	.....	3	1	2	.....	.....	.....	.....	3	9
November	22	48	45	6	16	22	.....	7	14	1	8	5	3	.....	.....	.....	.....	.....	6	22
December	14	24	16	5	9	13	1	7	7	.....	4	1	3	1	.....	.....	.....	1	4	14
Total	230	514	375	104	126	214	16	104	116	20	32	45	42	17	.....	.....	4	14	49	230

Respectfully submitted, G. A. ORWIG, Physician District No. 3.

January	35	115	108	30	25	35	.....	26	25	4	26	6	1	1	1	.....	3	.....	.....	35
February	43	99	89	24	19	43	.....	24	14	5	13	7	21	1	.....	.....	1	.....	.....	43
March	36	93	92	22	14	36	.....	13	22	1	17	2	13	.....	2	.....	1	.....	1	36
April	36	88	78	25	11	36	.....	17	14	5	5	5	24	2	.....	.....	.....	.....	.....	36
May	36	78	65	28	8	36	.....	15	15	6	6	2	23	3	.....	.....	.....	.....	2	36
June	29	60	33	16	13	29	.....	8	16	5	9	2	15	2	.....	.....	.....	.....	1	29
July	37	90	77	22	15	37	.....	15	17	5	14	2	16	2	.....	.....	.....	.....	3	37
October	32	93	78	16	16	32	.....	14	15	3	6	1	17	2	.....	.....	1	.....	5	32
November	30	63	53	18	12	30	.....	15	13	2	.....	6	19	2	.....	1	.....	.....	2	30
December	35	81	79	23	12	35	.....	16	19	.....	2	4	25	1	.....	1	.....	.....	2	35
Total	369	864	761	224	145	369	.....	163	170	36	98	37	188	16	6	2	6	.....	16	369

No report made for August or September.

Respectfully submitted, A. S. ADAMS, Physician, District No. 4.

September	7	69	1	4	3	7	.....	2	3	2	2	2	2	.....	.....	.....	.....	.....	1	7
October	18	85	22	10	8	18	.....	3	16	2	9	3	2	.....	.....	.....	.....	.....	4	18
November	13	107	.....	4	9	13	.....	5	6	2	6	5	2	.....	.....	.....	.....	.....	.....	13
December	14	10	99	7	7	15	.....	.....	.....	.....	5	3	5	.....	.....	.....	.....	.....	1	14
Total	150	1020	1037	77	73	150	.....	45	68	12	54	42	22	5	.....	.....	.....	.....	11	150

Dr. Frank Daykin resigned May 12th, and Dr F. J. Morton was elected to fill the vacancy.

February	11	20	23	8	3	10	1	7	4		3		5					3	11
March	7	11	15	6	1	7		4	3			1	3					3	7
April	8	16	37	8		8		3	5		3	1	1					3	8
May	6	15	25	5	1	6		2	4		3	3							6
June	5	2	16	4	1	5		5			2							3	5
July	8	19	21	5	3	8		8			2	1						5	8
August	13	41	56	7	6	13		10	2	1	4	2						7	13
September	15	33	74	9	6	15		8	6	1	3	6						6	15
October	11	28	34	7	4	11		4	4	3	2	2		2				5	11
November	12	34	57	7	5	12		6	6		5	3	2	1				1	12
December	9	31	17	4	5	9		5	3	1	3	3	1					2	9
Total	119	288	410	79	40	118	1	68	44	7	38	23	14	5				39	119

Respectfully submitted, F. C. FRANKE, Physician District No. 6.

October	12	32	19	5	7	10	2	6	6	....	6	....	1	....	....	1	3	....	1	12
November	4	11	7	2	2	3	1	3	1	....	2	1	....	....	....	1	....	....	....	4
December	6	28	16	1	5	4	2	3	3	....	5	1	....	....	....	....	....	....	....	6
Total	84	241	148	35	49	66	18	35	49	....	57	8	10	3	....	2	3	....	1	84

Respectfully submitted, L. S. CHADWICK, Physician, District No. 7.

Month	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
February	12	29	4	6	6	12	.....	4	8	.....	....	.....	9	3	.....	.....	.....	.....	.....	12
March	8	25	4	5	3	7	1	4	4	.....	4	....	1	.....	1	.....	.....	.....	2	8
April	14	55	45	7	7	11	3	7	7	.....	4	.....	6	3	1	.....	....	.....	.....	14
May	16	59	36	11	5	16	.....	10	6	.....	....	.....	7	3	2	.....	.....	.....	4	16
June	15	50	31	8	7	15	.....	9	6	.....	....	1	6	3	2	.....	.....	.....	3	15
July	16	49	29	10	6	15	1	10	6	.....	3	.....	8	1	1	.....	.....	.....	3	16
August	10	35	20	4	6	10	.....	.....	.....	.....	3	.....	4	2	.....	.....	.....	.....	1	10
September	11	64	62	7	4	11	.....	5	6	.....	.....	.....	3	8	.....	.....	.....	.....	.....	11
October	12	68	62	6	6	8	4	5	7	.....	4	.....	4	4	.....	.....	.....	.....	.....	12
November	11	53	46	2	9	8	3	4	7	.....	3	.....	7	1	.....	.....	.....	.....	.....	11
December	15	49	30	6	9	12	3	6	9	.....	3	1	6	3	2	.....	.....	.....	.....	15
Total	182	605	386	91	91	164	18	72	100	.....	51	5	67	31	10	.....	.....	.....	18	182

Respectfully submitted, F. B. NORTON, Physician, District No. 8.

Prevailing direction.	[illegible]al.	Maximum velocity during month.	Amount of rain or melted snow (Inches and hundredths.)	Number of days on which rain or snow fell.	Number of Auroras.
[illegible]	[illegible]609	44	2.47	20	..
[illegible]	[illegible].772	36	2.83	12	1
[illegible]	[illegible]676	36	3.82	21	....
[illegible]	[illegible]833	33	2.20	14	1
[illegible]	[illegible]029	28	5.27	20	....
[illegible]	[illegible]183	28	4.22	19	....
[illegible]	[illegible].494	24	5.27	14	1
[illegible]	[illegible].692	22	3.16	18	2
[illegible]	[illegible]6,402	26	4.78	13	1
[illegible]	[illegible]5,999	26	1.55	9	2
[illegible]	[illegible]5,891	31	2.00	19	6
[illegible]	[illegible]8,167	34	2.41	22	....
[illegible]	[illegible]2,147	highest	39.98	201	14
[illegible]	[illegible]45.6	44	3.33	16.8	....

[illegible] PHYSICIANS.

NS.

32 Ontario street,

to Cross street,
r to the N. Y.,
Tracy street to
e shore to Erie

ence 54 Hunting-
0 a. m., and 2 to

Euclid avenue,
Case avenue to
e street.
3 Woodland ave-

to Cross street,
yahoga river to
ack to Kingsbury
e, along Willson
eet to Hayward
eet, along Pros-
Euclid avenue,

corner of Pearl
10 to 11 a. m.,
wards.

F. J. Morton, Office 1066 Pearl street, 9
o 5 p. m.; all of 11th, 12th, and 13th

F. C. Franke, M. D. Office 14th Ward at
ng store, 774 Broadway, 4 to 5 p. m.
F. Loghman's Drug store, 600 Woodland

nce, corner Woodland avenue and Forest

t—L. S. Chadwick, Office 1930 Euclid
m. and 4 to 5 p. m. and at 1569 Euclid

hore along Case avenne to Euclid avenue,
e to Fern ally, along Fern ally to Pros-
ospect to Hayward street, along Hayward
reet, along Garden street to Willson avenue
nue to Quincy street, along Quincy to the
along the city limits to the Lake shore,
ake Shore to Case avenue.
—F. B. Norton, Office corner Broadway
7 to 9 a. m. and 2 to 5 p. m.: all of 18th

RIVER INSPECTOR'S REPORT.

SEWER INSPECTOR'S REPORT.

To the Honorable Board of Health:

GENTLEMEN,—I herewith present my annual report for the year ending December 31st, 1882.

During the year there were issued 2,728 permits, as follows, viz.:

To construct new sewers and extensions, -	1,085
" repair sewers, - - -	555
" do new plumbing - - -	819
" repair plumbing work, - -	269
Total, - - -	2,728

In presenting this report I would again draw the attention of your Honorable Board to the suggestions and recommendations made in my former reports.

The need of sanitary inspection and the rigorous enforcement of sanitary rules is becoming more and more apparent.

A high death rate and consequent large amount of sickness, are great drawbacks on the protective forces of the nation, in comparison with which the most onerous taxes are light.

It is now about four years since the ordinances pertaining to sewering and plumbing were enacted, and it would seem that a revision is absolutely necessary, to keep pace with the most improved methods now practiced where proper san-

d. In my last report, I
oard should appoint a co
hlations pertaining to sew
d the same to the City
the suggestions are giv
ld be desirable to exte
ers, and sewer builder
st in sanitary matters, to
a full expression of o
re most deeply interest
nade.

ng main sewers by mea
so great that my report,
without again adverting
uch satisfaction where
ow more than an exper
e should be lost in pro
While main sewers are un
ceptions, are liable to be
those who are situated ne
during the prevalence of
be the case if the sewers

ed as evidence the fac
in Great Britain, with
65, and 1,163 miles of s
the man-holes with the
actice has also proved
rk, Chicago and St. Loui
hich have been recently
perforated man-hole c
er in charge of sewers,
oles of the sewers built
or the purpose of venti

those of the sewers built previous to 1876, have solid air-tight covers, and of these some 1,550 have been fitted with ventilating covers, of which 425 have been done during the past year (1882). The perforated ventilating covers are found to work with satisfaction in all weather, and have been the means of releaving the dwellings in whole districts from the presence of sewer-air that other means had failed to prevent. The substitution of the perforated covers on the old sewers has been necessarily slow, and has been done as funds could be spared from the limited annual appropriation for the maintenance of the sewerage."

O. H. Cheny, Superintendent of Sewerage Department of Chicago, reports that there they are ventilating the sewers, when possible, through the catch-basins (which are constructed without traps) and perforated covers on the man-holes, when the nature of the ground will permit. In some parts of the city the soil is sand, and when the streets are unimproved (unpaved), to avoid running sand into the sewers, close lids are used. "My opinion is, ventilate the sewers in every way possible."

Mr. Wise, Sewer Commissioner of St. Louis, in his report for 1882, says: "No provision was made for ventilation until 1873, when grated or perforated covers were put on some of the man-holes, the use of which was gradually extended, so that for the last four years they have been put on all the new man-holes, except on pipe sewers located on unimproved alleys, when solid covers were deemed necessary to keep the earth from falling into the man-holes. A few years ago objections were occasionally made to such ventilation, too near the premises of the complainants, but none have recently been heard from. On the contrary, frequent requests are made for them, especially in elevated localities and dead ends, where the pressure of sewer-air has been most observed."

Department of Public W
Superintendent of Sew
ear 1880, attention was
lation generally, and a
pinion that the only fe
hich the sewerage syst
ntilated was by placing
holes, and assisting these
rents through the sewe
same time the possible
tures in connection wit
was frankly admitted, be
the houses as compared
e center of the streets
bjections would apply
ns were to be depende
tion. Attention was als
hat date, and while the s
the presence of sewer-g
business houses, were de
which of itself seemed
nd, in fact, practically ad
ertain mitigation of the
system of ventilation th
d, an absolute eradicati
ely expected at an early
these views were put for
ticipations, alike hoped f
ized. During the year
t use of both the open
on of untrapped catch-
uption, and to-day the
1,000 of the latter in
may be summed up by

that for the year just closed but two complaints have reached this department in regard to the untrapped catch-basins, both of which were promptly remedied without change of plan, and three complaints about offensive odors arising from the perforated man-hole covers; while the number of complaints of the presence of sewer-gas in dwellings, which, during 1880, certainly averaged from three to five per diem, did not, in 1881, reach twenty cases during the entire year. I consider myself fully justified in recommending a strict adherence to the plan of ventilation now in use, and which, if continued and intelligently extended, cannot fail to attain a safe and reliable sanitary condition at an early day. Some fears have been expressed that the foul air passing through the perforated man-hole covers, and from out the untrapped catch-basins, might reach such proportions as to injuriously affect the surrounding atmosphere, and that the air thus contaminated might find its way into our dwellings and sleeping apartments. Aside from the well-authenticated fact that the currents passing through the man-hole covers and catch-basins are as often inward as outward, the immense disproportion between the largest volume of sewer-gas or sewer-air that could possibly reach the surface, and the volume of the surrounding atmosphere it would come into immediate contact with at that point is, of itself, sufficient to banish all such apprehensions. It is regarded as being within reasonable limits to say that every unit of foul air which passes from out the sewers encounters not less than ten thousand units of pure atmosphere the moment it reaches the surface of the streets, or in an indefinite period thereafter, and as a natural consequence, the absolute dilution and resulting attenuation must be, and is, in a corresponding ratio."

On a subject of so great importance as the ventilation of the main sewers, I regret that your Honorable Board has

he subject under discu
in this particular branc
ies are going ahead.
ense with the ventilati
been so fully demonst
think not. Let the su
f the evidence herewith
nd no unfavorable cond
s soon as possible to re
tion to ventilation, tho
lutely necessary to kee

vage is still an unsolved
rred to its purification by
well as its use for irrig
thods would be attended
al outlay, I think its disc
stance from the shore and
be the most desirable m

gineer of Philadelphia,
ewerage for the city, subm
1882, takes substantial
I did.
on than is generally pra
All water from bath
be provided with special

ere are traps which afford
sewer-gas on account of
ovided with special venti
ering that it is impossile
hole, and see that pipe

The method of laying sewer pipe is such that no opportunity is afforded for inspection after the work is done as the workmen cover up the pipe as soon as laid; hence the necessity of some one on the ground in the interest of the owner of the property, as well as the public health, to see that the ordinances are enforced.

In this city the evidence of an imperfectly constructed sewer was so plain that the party's license was revoked, and and that there may be others defective, although not quite so bad, is certainly among the probabilities.

In my opinion the only safe method is to use iron pipe, coated inside and outside, with asphaltum, for all inside work, and placed so that every joint can be inspected. Even cement floors are not considered impervious to sewer gas, and if the sewer pipe is not gas and water tight serious consequences may ensue.

Outside the dwellings vitrified pipe may be used, but too much care cannot be taken, to have all joints perfectly tight.

In the matter of sewering there is too much contract work done, competition is so great that contracts are made at ruinous rates, and as a result imperfect work. As a rule, I believe, the quality of the work will correspond with the price paid. Low prices, poor work, and vice versa

It would seem to be the best economy for every one to have their premises in the best possible sanitary conditon to ensure good health; and in the case of those who build to rent it would certainly be to their interest to have all plumbing and sewering properly done, if they were held liable for all damages which might be caused by defective work; it seems that the courts have already made decisions taking that ground.

In this connection I would quote the incisive language of a Health Officer of a neighboring City. "Immanual Kant,

l in modern times says:
himself he cannot compl
tenants, whose humble
l of death, through the s
stead of passively submi
nd throw him into the s
he has refused to drain,
has refused to clean, i
hygienic tract on sewer-
grants after escaping f
teamer, would turn arou
g it up, and there is som
, it would do more goo
at by morally stupid o
ge County Dairy,' know
mises infested with sm
hoid fever, along a street
y indicates the sad fruits
by an outraged commun
t, instead of being arraig
ps fined ten dollars and
uld absolutely infuse a
ers and administrators o
to show that the metho
uisances have some justi

umbing, new work, sho
y, the Board, before perm
r inspection of plumbing

n the ordinances that al
asy of access, I often fi
ess to them; the fault se
tect who omits to mentio

his specification and who onght to be held liable for the omission.

In some cities the registration of competent journeymen plumbers is adopted, and only those who are registered are allowed to do work under the supervision of the Board of Health.

This is a subject 'which requires your most serious consideration as the justice and efficiency of such a regulation would depend largely upon the ability and impartiality of those who granted certificates of competency. On the other hand, if the trust was faithfully administered, it would be in the interest of the public, as well as, the honest employer and competent employe.

Without entering into fuller details, the, foregoing suggestions and recommendations are submitted to your respectful consideration.

GEO. ANDERSON.
Inspector of Sewers.

COMMITTEE REPORTS.

REPORT OF COMMITTEE ON PUBLIC BUILDINGS HOSPITALS AND SEWERS.

To the Board of Health:

GENTLEMEN,—Your Committee to whom was referred the question of placing a temporary sewer, or open wooden sluice, in Walworth Run; and the duty of designating certain parts of the city which need sewering without delay, would report as follows:

1st. In regard to employing a wooden sluice for such a valley as Walworth Run, we cannot advise this mode of relieving that district, either for the corporation or for individuals; but we see no objection to individuals adopting this mode of draining their premises, except that it may tend to postpone the inevitable day when a substantial and sufficient sewer shall relieve that far too long neglected region.

2nd. We have not been able to make a thorough investigation into the number and locality of streets and alleys that are in immediate need of sewers as a sanitary measure, but we name the following alleys, streets and tracts as being places where the sewer builder can ply his vocation with great benefit to the inhabitants.

Hamilton street, between Muirson and Alabama streets; Oregon street, between Muirson and Oliver streets; Walnut and Chestnut streets, from Muirson to Dodge; Williams alley; California alley, between St. Clair and Oregon streets; Parkman street; Burnham street; Harmon street; all streets between Perry and Sterling; Cedar and Woodland avenues;

between Woodland
latter from Perry
n Broadway and N.
lup streets; Spence
nd many streets on

D. CREHORE,
C. DEWSTOE,
OTT,
pitals and Sewers.

REPORT OF COMMITTEE ON INVESTIGATING CHARGES AGAINST THE PUBLIC SCHOOLS.

To the Board of Health:

GENTLEMEN:—Your committee to whom has been assigned the duty of investigating certain charges made against the Public Schools of this city, would respectfully submit the following report:

1. We subjoin the petition signed by sixty-eight citizens, including twelve members of the Board of Education, asking for this investigation:

"*To the Board of Health of the City of Cleveland, O.:*

"GENTLEMEN,— Whereas, your Honorable Body is made by law the guardian of the city's health; and whereas, it has been charged through the public press that certain features in the buildings and management of the Public Schools are detrimental to the health of the attending pupils, and since it is not for the interest of either the schools or their managers that such charges should pass unnoticed, we, the undersigned citizens and patrons of the school, do hereby petition your Honorable Body to investigate the grounds upon which said charges are based, and if, in your judgment, well-founded, to report to the Board of Education upon the the same, suggesting in such report some plan by which any evils found to exist prejudicial to the health of the pupils in our Public Schools, may be effectually corrected." No date. Presented in summer of 1881.

2. We quote a resolution from the published proceedings of the the Board of Education, which was referred by that body to a special committee, and which formed the conclusion to a report by a member of said Board upon the neces-

of children in the school
ion shows that there are
ions of the schools thro
fatal to the highest effici

of the members of this
e Board of Health, req
and report upon the h
his city, which report h

y request said Board of
ort thereon, and to devise
supervision whereby s
found existing in our
y or permanently remedi
owing resolutions unani
ucational Club:

Education has, through
o inquire into the sanitar
requested the co-operat
ecuting that inquiry; and
bers of the Women's
leveland, have reason, fro
that some efficient syst
hall secure the uniform
schools is necessary to
schools, and to the well

n the legally constitute
iz.: The Board of Hea
uch supervision.
hereby request said Bo
l report some method by

such sanitary supervision can be systematically and thoroughly carried out.

"Second. That we also request said Board of Health to petition the General Assembly of the State of Ohio for such changes in the law in regard to the duties of Boards of Health, as may be necessary to enable them to exercise such supervision.

"Third. That a copy of these resolutions be sent to the Secretary of the Board of Health, and also to each of the daily and weekly journals of the city."

4. We shall introduce the schools themselves, and some of the reports and recommendations made by this Board of Health upon the great need of certain improvements in school buildings to promote the health of teachers and pupils — recommendations made prior to the existence of the foregoing petition and resolutions

In replying to our petitioners, we first call their attention to the indefinite character of the charges named. They say "It has been charged through the public press that certain features in the building and management of the Public Schools, are detrimental to the health of the attending pupils; and they ask the Board of Health to ascertain whether or not these charges are "well-founded," adding, "if, in your judgment, well-founded, to report to the Board of Education upon the same." It will be seen that the framers of the accompanying resolutions, in their importunity for a report, take it for granted that the charges are well-founded, and thus forestall the judgment of the Board of Health, in whose discretion the matter is left by the petitioners.

There can be no doubt that some of the aforesaid sixty-eight petitioners were aware that certain of the charges made "through the public press" had foundation in fact; for the following reports, recommendations, and proceedings of this

d to our Public Schoo
blic through the press.
nings of the transactions
wing shortly after.

20th, 1881.]

PUBLIC BUILDINGS, HOS
SEWERS.

ommittee have visited a
of this city, and would
incomplete report upo

e Mayflower, the Sterli
street, the Orchard str
tral High School.
the sanitary condition
would call attention to
e regard for the health
their habits of cleanlin
hey are.
privies of the Mayflowe
uildings in an untidy, u
ion. The vault at the Ma
wood, and, as we are in
ong time. It has no sew
diate vicinity of dwelling
deep wells on their prem
disease will find their wa
and may we not with
for some of the sickness
eighborhood? In a stil
the old outhouse at th
here new water closets ha
connected with the sew

time should be lost in completing the arrangements to use these closets, and in abating the present nuisance caused by the old outhouse. In a word, the unwholesome state of the outhouse at these three schools suggests that the strong arm of discipline does not follow the boys to these places, and thus those boys who would not countenance misconduct here are compelled to suffer with the careless and the vicious. Moreover, the placing of closets in the basement of a main building does not relieve supervisors of constant watchfulness over them; for any impurities of air vapor escaping upward from the basement, are laden with all the potency of generating diseases in the occupants of the rooms above.

Our attention has been particularly directed to the appliances in use for warming and ventilating those main school buildings and their adjuncts or "relief" buildings, as the latter are called. All these relief houses and the West High School are warmed by means of stoves, while the main buildings, so far as observed, are supplied with steam radiators, and in one case with hot water pipes, also; and in another hot air from a furnace supplements the steam heat.

Although the winter has been unusually severe, but few complaints concerning the inadequacy of the heat supplied were preferred to us by the teachers. On one of the oldest and most poorly constructed relief buildings at the Orchard street school, the teachers and pupils have shivered from the cold penetrating the thin, unlined floor; a source of suffering which does not exist in the better structures having well-laid double floors. Also the heat of summer is often oppressive to the occupants of this old, low-studded, low-roofed structure bearing the misnomer of "relief" building.

One of the janitors, who finds his time largely consumed in making his two small boilers exhibit five pounds of steam, remarked that "the teachers are in duty bound to open their

could, in spite of his i
resh air in their rooms.
nestion of ventilation.

s, or even to enumerate,
een promulgated to the w
to state the conditions wh
do or should propose to
r limited observations
are satisfied by the app
l.

nplete ventilation are f
stant exchanging of the
rom without, while an e

requirement is not difficu
mperature throughout th
e ingenuity of architec
record of the progress,
de in the art of ventilati
to be found in the bu

ures we see ventilating f
e room a few feet belo
l air, while fresh air w
oors, or possibly through f

hool buildings which we
in each room, and one
he wall near the floor, i
ventilation since the d
entioned. These low fl
to the duties assigned
middle tiers of rooms

windows on one side only, are hard to ventilate, except an opening be cut into the hall, and even then the teachers complain of the great inconvenience of having to open and shut windows continually to guard pupils against extremes of hot, vitiated air, and cold currents falling upon their heads.

An innovation upon both the methods is found in the old Kentucky street building. Here large ventilating flues are placed in the central part of the building, having large registers in the wall at the floor. The steam radiators are located at the windows, and to these radiators fresh air is admitted at the bottom of the lower sash, which is raised a few inches for the purpose. The fresh air is distributed over the radiator tubes by means of a perforated board or diaphragm, and theoretically at least, passes through the radiators and is changed from cold to warm air before reaching the pupils. This arrangement appears to work well; but as it is not automatic, constant care is necessary to insure its efficiency.

The next, and probably the latest ventilation system which our public school buildings exemplify, is found in the Central High School. This system is not essentially different in principle from that in the Kentucky street building, but is somewhat different from the latter in its details. In the Central school each of the four iron smoke flues rises in the center of a much larger ventilating flue having brick walls, or by means of rectangular tin tubes passing between the joists to registers in the floors. Steam radiators are placed at the windows, and fresh air is admitted to them through openings in the center walls, just below the window frames. This air is also theoretically distributed to the vertical radiator pipes by a perforated diaphragm, and so becomes warmed. But practically it is found that often the cold air on leaving the diaphragm falls to the floor, and the pupils

while the thermometer o

ld current can easily be
es in the orifices of the
cold air in among the
pe heating, or what is pro
al sheet iron plates in fro
other below, the perfora
course, to pass through

ar committee that the
g have their efficiency c
n of suction at the top
In other respects, the
High School seems exce
which is warmed by s
untered in making the te
when additional stoves
ng the dark and crowde
recitation rooms are in
with thin partitions bet
need of a healthier and

hat was brought to our
ored in the breach than t
g of teachers outside the
"lines" of pupils. S
de sick this winter by th
for the custom we did not

ecommend that the very
ed in any of the schools
soon as practicable, in

that all the relief buildings, as well as all main structures, may enjoy equal immunity from the evils of poor ventilation.

JOHN D. CREHORE,
W. J. SCOTT,
G. C. ASHMUN,
Committee.

Report adopted, and the secretary instructed to forward a copy to the Board of Education.

W. H. FARRAND, *Secretary.*

UNHEALTHY SCHOOL HOUSES.

Mr. Crehore, from the Committee on Public Buildings, reported as follows:

MR. PRESIDENT: On this day your committee visited the Rockwell, the St. Clair, the Alabama and Case avenue school buildings, and would respectfully submit the following report:

Rumor having come to us that the basement of the Rockwell street building was in an unhealthy condition, in consequence of which there was much sickness among the pupils, we first examined that building, and found that there was some ground for such a rumor, although, as usual, the rumor had considerably exaggerated the facts. It appears that about two weeks before our visit there was an odor in the furnace room as of some dead animal, but this odor had gone and left no trace which we could detect. The janitor's explanation that this stench was due to a dead sparrow did not fully satisfy our idea of cause and effect, if we grant the effect to be as great as reported.

On the day of our visit the basement floor was very damp, owing mainly to the leaking steam and water pipes. These

pipes, of course, should be repaired at once, if they have not already been put in order.

The water closets of the Rockwell and St. Clair street buildings are in their basements, and continually give off offensive odors that mingle with the air rising through the halls to all the floors of the edifice.

It is believed that this source of disease would be nearly if not quite eliminated by separating the rooms of the basement where these closets are situated, entirely from the other rooms, opening an entrance to them from the outside and giving them ample ventilating flues. No odor could then escape except into the open air, with small chance of returning to annoy the schools.

The ventilation of these two buildings is practically by means of open windows and considerable complaint is made of inadequate airing for the middle tiers of rooms, and of the difficulty of adjusting the temperature generally by this mode of ventilating rooms by heated steam.

The Alabama school building, on St. Clair street, is old and heated by means of stoves. No complaints were made here. The privies are outside, and in about the usual condition, requiring early attention.

The Case avenue school house is now heated by steam, and ventilated in a manner similar to the mode adopted for the Central High School building, and described in our previous report. The system as here applied works admirably, as reported by the principal. The privies are outside, and we found them in a very bad condition, which the warm weather will make worse, unless they are at once made clean. They should be connected with the sewer.

In the course of these visits to the different city schools we have not failed to observe the importance of the janitor in carrying out any system of promoting health and cleanliness

in these buildings. Under conditions almost identical, we observe results differing widely, all on account of a difference in the tact or efficiency of different janitors. Would it not be well to make a difference in the compensation of janitors who keep their buildings in the best order, and those who are careless and let things go "at loose ends?" It would probably be better to dismiss the latter and fill their places with competent men.

April 14—Called at Mayflower school, and found new sewer pipes laid and new vaults constructing, old vaults cleaned, but learned that old cesspools had not been disturbed. These should be cleaned out and filled with earth, if it has not already been done.

April 23—Visited the Outhwaite school building. It is heated by steam aud ventilated in the manner of the Central High School building and the Case Avenue Grammar School, but the system does not give so good satisfaction in the Outhwaite as in the Case Avenue School.

New water closets have been placed in the basement, with ventilating pipes connecting with the furnace flues. The old outhouses still remain on the grounds, but should be removed immediately, as, indeed, we understand it is the intention of those in charge to do.

We learn that connection with the sewer has recently been made at the Sterling school, and that the same has been ordered for the Orchard School building.

All of which is respectfully submitted,

J. D. CREHORE.
W. J. SCOTT.

December 16, 1880.

PRECAUTIONARY RULES.

In accordance with a previous resolution, Dr. Scott, as chairman of the Committee on Sanitary Affairs, reported the following rules for adoption by the Board, being the same as were in force under the old Board:

1. No child from any family in which a case of scarlet fever or diphtheria now exists or may hereafter occur shall attend any school in this city, unless convalesence in such case shall have been thoroughly established. In all such cases the attending physician shall certify in writing that the above rule has been complied with, the certificate to be presented to the teacher of the school before the child is admitted.

2. In every case where death has occurred from scarlet fever or diphtheria the body of the deceased shall be thoroughly disinfected and inclosed in a tight burial case, which shall not thereafter be opened. The funeral of such person shall be strictly private, and in no case shall children be allowed to attend, and the room in which the deceased person was, and the clothing and bedding used during sickness shall be thoroughly disinfected.

3. The body of no person who may have died of small pox, scarlet fever, diphtheria, or other dangerous, contagious pestilential, or other infectious disease shall be removed in a carriage or other conveyance used by the public.

THE LAW IN THE CASE.

The city ordinance relating to the matter is as follows:

SEC. 33. That it shall be and is hereby made the duty of every physician having a case of smallpox, cholera, or other dangerous, contagious, or pestitential disease, householder, tenant or agent, in whose house a case of smallpox, cholera,

or other dangerous, contagious, or pestilential disease may occur within the city, to report to the office of said Board within twenty-four hours after having knowledge of the disease, every case of smallpox, cholera or other dangerous, contagious, or pestilential disease, giving the number of the house, the street upon which it is situated, and the name of the occupant or occupants, and the name of such deceased person, or persons, if known.

Dr. Hart moved the following, which was adopted.

That the Secretary be directed to have printed a circular containing said ordinance and rules, together with Section 2118 of the Revised Statutes, and mail to each physician in the city a copy of the same.

That whenever notice is received of the existence of contagious or infectious diseases, it shall be the duty of the Secretary to immediately notify the Superintendent of Education of the same, including name, street, and number of the patient.

A careful examination of these clippings from the "public press," will show our petitioners that this Board of Health had anticipated their request, and had suggested, either expressly or by necessary implication, improvement of the public schools in the particulars given below. Here it is to be understood that an adverse criticism is always to be construed as a recommendation for improvement in the matter criticised. Also, suggestions made with reference to the schools reported, are to apply to all schools, having like defects.

1. Condition of basements, privies, and outhouses, and better discipline of boys in respect to them.

2. Sewer connections required.

3. Pure air to be admitted to rooms.

4. Ventilation. The best system to be adopted in every building.

5. Heating to be under control, and uniform; no cold currents on heads; no cold feet and hot heads.

6. New building for West High School.

7. Better relief buildings.

8. Watchfulness on the part of supervisors.

9. Janitors to be faithful.

10. Method of remedying a defect in the best system of heating and vetilating.

11. Teachers not to be stationed in cold draughts of air in halls, to their injury.

12. Teachers required to have knowledge of ventilation and hygiene.

13. Lighting of school rooms.

14. Proper position of windows and blackboards.

15. Care for pupils eyes.

16. Steam fittings to be kept in repair.

17. Proper location of water closets.

18. Need of more windows in middle tier of large buildings.

19. Discarded structures to be removed from school grounds and old cess-pools filled.

20. Precautionary rules regarding scarlet fever, diphtheria and other contagious diseases.

The foregoing statements in the transactions of this Board of Health, embrace, as we believe, all the charges made against the public school buildings, and some few against the conduct of the schools, whether by the public press or by individuals.

It appears above that some of the wants complained of have been supplied, as, for instance, certain sewer connections, since the first report of this Board. But it is well known that other needs have not been attended to, as, the introduction of the new system of ventilation and heating

into the old buildings, and certain needed sewer connections, etc., etc.

Now, to our urgent resolutionists we would most respectfully say, "Since your chief demand is for more *supervision*, would it not be wise to devote your energies to securing the *execution* of things already abundantly supervised, and recommended by that Board which you are pleased to call 'the legally constituted sanitary authority of the city'?"

When all these recommendations by the Board of Health shall have been executed by the Board of Education in improving the school buildings, the work of supervising the health of pupils will be reduced to its lowest amount. But it will not vanish entirely; neither will it require the daily or weekly presence of a skilled physician in the school room. It will require only the careful and intelligent attention of those who direct the school work of the pupil.

Leaving the subject of school buildings, let us look within them to the management and conduct of the course of education, a subject upon which hitherto this Board has made no special report.

We think we comprehend the principal charges made against the "management" of the public schools, through the public press, in the following list of specifications:

1. The vague charge that the schools are "run" on the high pressure system, without defining exactly what that means.

2. The more specific charge that the course of study is too severe.

3. That too much time is devoted to study and recitation, and too little time to recreation.

4. That the monthly, quarterly or annual examination is the curse and the soul render of the average pupil.

5. That our school buildings are really school houses and not hospitals.

lly students and

re.

pursued without

" and so cause the

visit the schools

ds are in part re-

ng girls."

s, speeches, irreg-

ctors in bringing

an abomination

nd physical stand-

rworked and that

overweening de-

, that the public

overnment in the

eir avowed enemy

ic press, that the

Bible is read, and

ome of them.

the even tenor of

pletely their grand

ious walks of life

able mind that a

in spite of known

urdity," although

injudicious or narrow-minded professed friends of the young, may pronounce it so.

But let us review some of these charges more in detail, and endeavor to prescribe needed remedies for the schools of Cleveland.

First, as to the severity of the course of study, we would premise that the normal course should be one adapted to healthy pupils of average ability, and not one specially framed for invalids, dullards or geniuses.

From our observation of pupils through the entire Cleveland course, we believe it to be not too severe for the average pupil. And we especially commend the flexibility or elasticity in the course, that allows pupils, for cause, to take a partial course, or to take additional studies if they can do so advantageously.

Let no patron of the schools be deceived hereafter; for, if his child is pressed too hard in the regular course, one or more studies may be dropped without any shadow of disgrace to parent or diligent child. This latitude and option is simply a part of the Cleveland school system, though it seems to be not generally understood.

Concerning the "high pressure" and the dreaded final examination in order "to pass," we find that far greater weight is given to the average of the teacher's daily marking than is given to the final examination mark. This is as it should be. But, whether the final examination mark should be dropped altogether is a question not easy to decide. In its favor it is said that it is about the only means the anxious teacher can employ to stimulate lazy pupils who take no pride in keeping up with their class, but are ashamed to be kept back when their fellows enter an advanced grade. Especially does this stimulant seem to be needed since the stimulant formerly administered by Dr. Spanxter appears to be out of the market.

On the other hand it is urged, and often with truth, that the dread of failure "to pass" so oppresses the minds of many diligent scholars that disease is induced.

On this dilemma your committee would recommend, in the interest of health, that the final examination mark be dropped entirely in determining the pupils fitness "to pass" to a higher grade, and that his advancement to such grade be made to depend wholly upon the average of his daily record kept by the teacher. We see no harm in final or stated examinations if the school authorities choose to have them.

As regards the amount of school time devoted to labor and to recreation, we find in the Grammar schools a continuous "session" from 9 to 11 o'clock, then a recess of 15 minutes, after which a session till noon. In the afternoon there is a session from 1:30 to 3:30 o'clock.

These continuous "sessions" do not imply continuity of recitation, or of study, there being at least a change in every 45 or 60 minutes, a remark which also applies to the High schools.

The two daily sessions of the Central High School are divided into intervals as follows :

9:10 o'clock.
9:55 "
10:40 "
11:25 "
11:55 "

the last interval being devoted to music by one-half of the school, and to gymnastics and calisthenic exercises by the other half, the two halves alternating from day to day.

11:55 to 12:25. Recess.
1:10
1:55 Close.

The grades below the Grammar school, have, we understand, shorter sessions and more exercise in their program.

We leave this matter to the wisdom of supervisors and instructors, without recommendation of change.

We have made some inquiry into the condition of pupils eyes, in Grammar schools, and submit our findings in Sterling avenue and Warren street schools,—these two districts exemplifying somewhat different nationalities.

	A Grammar.	B Grammar.	C Grammar.	D Grammar.	A Primary.	B Primary.	No. of Pupils.	No. of Pupils near sighted.	No. having other disease of eye.	No. diseased before entering sch'l	Total number diseased.
Sterling School, 1	1						40	3	0	3	3
" 2	1	1					37	1	1	1	2
" 3		1					45	5	0		5
" 4		1					45			2	4
" 5			1				52	0	0	0	0
" 6			1				47	0	0	0	0
" 7			1				40	2	4		6
" 8				1			52	3	0	2	3
" 9				1			55	2	3		5
" 10				1			55	6			6
" 11					1		53				3
" 12					1		58		4	2	4
" 13						1	37	0	0	0	0
" 14						1	54			3	4
" 15						1	38				4
Warren School, 1			1				39	1	0	1	1
" 2				1			26	1	0	1	1
" 3				1			39	3	1	1	4
" 4					1		41	1	0	1	1
" 5					1		51	5	0	2	5
" 6						1	52	1	0	1	1
" 7						1	60	3	0		3
" 8						1	31	3	0	2	3
" 9						1	18	0	0	0	3

We do not claim that this table is a completely accurate exhibit of the condition of eyes in these 24 school rooms; but our observation convinces us that there is no real cause of alarm in this behalf, and that these children could hardly be educated any where with less detriment to their vision than they will experience in the public schools of Cleveland when the previous recommendations of this Board of Health with respect to lighting and blackboards, shall have been acted upon.

With respect to the charge that the health of girls is impaired by the "modern educational methods," we submit that the charge in our 10th specification is effectually answered and neutralized by the confession at the close of the 13th specification. That is to say, some girls injure their health by too much mental work; and this is not due to the system of education, but "to an overweening desire to cultivate the mind." Now, since we have shown that in the Cleveland system, no disgrace ataches to girls or boys taking a partial course, such as is adapted to their physical and mental condition, it follows of necessity that our "educational method" is not responsible for sickness of girls.

But it is claimed by superficial thinkers and sensational writers, that it requires a "supervising physician" to determine what girls are overworked in the schools. The mere statement of such a claim is sufficient; for, if neither parents nor teachers, nor the regular school supervisors, nor the girls themselves, can find out that their school work is injuring, or tends to injure, their health, it is the plainest teaching of common sense that their health is not in jeopardy. Moreover, the claim that many such cases have been discovered without the aid of such physician, if well founded, proves that a special supervising physician is not necessary for this purpose.

The real truth is probably this: The ambitious father perceives that his ambitious daughter is working too hard in school; and instead of making her drop some of her studies, as it is her privilege to do, he begins to berate the school system and management, and insists that the course of study must be curtailed to suit the physical and mental condition of his daughter; and all the while the great majority of her classmates are doing the assigned work, not indeed without care and diligence, but with entire immunity from harm.

Reverting to the charges of "high pressure," we may add that not a few of the complainants besiege the superintendent's office, when their children fail to reach the standing required for passing to a higher grade, indignant at the supposed disgrace of failing "to pass." Let all such persons know henceforth that disgrace only attaches to the unfaithful, and not to the diligent but slower of apprehension, who often, afterwards, far outstrip their more precocious classmates.

Our attention has been called to one thing in the schools which we most emphatically condemn as tending to promote high pressure; and that is the emulation, as we may call it, among the teachers to have their respective schools stand the highest in the list, as if their own standing in the eyes of their employers and supervisors, would be adversely affected if they simply worked their classes within safe limits of strain. The cause of this evil should at once be taken away. Let every teacher, on the presumption that all are qualified for their positions, have large discretion in the conduct of her classes, both as to method and quantity of work, with no troublesome thought of her work as compared with the work of others, but only of her work as adapted to the particular class she instructs.

Here we will state that the principal in one of our Grammar Schools finds the prescribed Arithmetic too advanced in

character for her class, but does not dare to return to the old textbook lying on her desk, although it is well suited to the needs of her pupils, because the new book is prescribed, and we personally know that the labor of preparing the lesson, virtually without a textbook, is greatly enhanced. However, we do not now report on textbooks, but merely call attention to a complaint whose cause should be removed without delay.

The "public press" which gave us the first set of resolutions quoted in this report, gave us also, in the same issue, the following statement in regard to the public schools of Brussels:

In Brussels, Belgium, the hygienic management of the schools has been, since 1874, under the supervision of the bureau of public health. The method is as follows: Five physicians were delegated to the sole work of medical inspection of the schools. They give attention, first, to fault in construction, heating and ventilation, size of class-rooms, seats, desks, windows, etc.

Second—To the temperature and the daily condition of the air, and the causes tending to vitiate it.

Third—To all circumstances affecting the health of the well child, gymnastics, care of eyes, ears, teeth, skin, body, length of lesson, time of study, light, heat, ventilation, books, swimming lessons, instructive excursions, the immediate closing of schools when the temperature reaches 82 deg. Fahrenheit, accurate anthropometric records as a means of constantly learning the condition as to health of the pupils, and investigation into the best methods of intellectual development.

Fourth—In rigid regulations regarding infectious diseases including vaccination and re-vaccination, and to careful directions for the training of children below the normal standard of health. The result has been that no one of the in-

fectious diseases have reached the height of an epidemic in Brussels, although the other cities of Belgium and Europe have suffered severely — that the general health of the pupils has improved; that the scholars have much more nearly than before the training that is individually suited to each, and that the public charities and penal institutions are thought to be less resorted to.

We quote this statement for the purpose of showing how small a part of the work delegated to the five physicians, needed the skill of a physician at all, and how much of the work absolutely requiring a physician is, in Cleveland, done through the Board of Health and the family physicians.

With a corps of instructors having the intelligence of the teachers in the public schools of Cleveland, we fail to see the need of specially appointed "medical inspectors" to "give attention to fault in construction, heating and ventilation, size of class rooms, seats, desks, windows, temperature, daily condition of the air, and the causes tending to vitiate it; gymnastics, care of eyes, ears, teeth, skin, body, length of lesson, time of study, light, books, swimming lessons, instructive exercises, closing school at 82 deg. Fahrenheit, anthropometric records, and investigation into the best methods of intellectual development."

These are not matters requiring greater knowledge of hygienic laws than is presumably possessed by those who conduct the public schools, under the supervision of this Board of Health, with regard to sanitary matters.

Doubtless, as has been said in this report, some teachers are not thoroughly conversant with hygienic laws, and your committees take this occasion to urge the Superintendent of Instruction to require this qualification in all teachers. Also, we find that in some cases when ample knowledge is possessed, the teachers are not supplied with good instruments for observation; as, for instance, in one building two ther-

mometers hanging side by side did not accord within five degrees, and probably neither one was correct. Let every school-room be furnished with at least three correct thermometers.

As to the "rigid regulations regarding infectious diseases," we would refer to the action of this Board, above introduced, and constantly in force in Cleveland.

We further quote, with commendation, the recent report of the President of the Board of Education, upon the subject we are examining, in order to bring certain of its topics to your attention :

HEALTH AND VENTILATION.

The following is the complete report of President Jones on the subject of health and ventilation :

Some years ago the Board, recognizing the great importance of preserving the health of the school children, appointed a new standing committee on health and ventilation. It has been the aim of the Board for years to make the sanitary condition of the different school buildings as perfect as possible, but it cannot flatter itself that such a condition has been attained. Some of the older buildings are defective in light as well as in heating and ventilation. These defects cannot be remedied except at a considerable expense, and the Board, on account of its straightened financial condition, is unable to do what it otherwise would do in this matter. Most of the relief buildings locatod in many parts of the city should be heated and ventilated in a different manner. Some of these buildings, during the cold weather, have, near the floor, a temperature but little above the freezing point, while the air above is heated to about 70 degrees. Perhaps double floors would remedy this defect in part, and make it more comfortable to the pupils. Many of the rented rooms in various parts of the city are quite defective in heating, lighting and ventilation.

The more recent of the large buildings are a decided improvement upon the older. But we cannot flatter ourselves in thinking that these are perfect, although we may say truthfully that none are better.

The Board has, during the year, with a view of improving the sanitary condition, constructed at considerable expense sewers at Mayflower, Sterling, Outhwaite, and Orchard, and has made new vaults at a number of buildings.

Communications have been received by the Board, and articles have been published in the daily papers reflecting unfavorably upon the tendency of the course of study and other school arrangements on the health of the pupils. Some of these articles purport to be founded upon observations of the pupils of our schools; but they are largely composed of extracts from statements made in reference to schools in other places, and are taken in some cases from journals in no way competent to pass an opinion on questions so difficult, and therefore charges originally brought against other schools are brought forward against ours as having a similar course of study and government.

The statistical tables communicated to the Board during the year, in reference to the effect of the course of study on the health of the pupils of the high school, are very defective in that the investigation of facts upon which the conclusions are based does not conform to scientific methods.

From letters which I have received, I judge that these communications are giving a false impression abroad, some seeming to think that they were prepared at the instance and by the authority of the Board.

If, after examination, it be found that abuses exist in connection with the course of study (and this is quite possible), they should be remedied; but it can hardly be expected that the course of study should be changed at the nod of every sciolist who takes upon himself the work of reform.

It is the opinion of your committee that no expense should be spared by the Board of Education necessary to put the Cleveland school buildings in the best known sanitary condition as soon as possible.

If it be true that the great army of tax-payers is sincere in its desire to improve the condition of school children, there is no better way of testing this sincerity than by asking said army to pay for necessary improvements.

To show the pernicious influence of unreliable statistics, noticed in this President's report, we clip the following from a recent New Hampshire paper:

"IS EDUCATION MURDER."

An editorial with the above title appeared in the *New Hampshire Journal* of December 17. Dr. Spalding, the editor, is well known as the firm friend of education, having occupied various positions where his friendship was marked. In the article referred to his pen cries out against the "high pressure principles" applied in the schools of to-day, and queries whether the results intellectually are better than in days agone. This I pass to those whose breadth of vision and experience is larger than mine. But his words are most vigorous as he comes to the application of his text,. He illustrates largely from recent statistics of Cleveland high school. "Statistics don't lie," and yet, when not fairly presented, may wonderfully deceive and mislead. They say that "twenty-five per cent. of the number of girls and eighteen per cent. of the number of boys who entered the high school were compelled to withdraw on account of ill-health." They do not say how many of that twenty-five per cent. were allowed to attend parties two or three nights in a week, in over-heated and crowded rooms, remaining till long after the clock told the hour for retiring; nor how many indulged freely in candies and highly-seasoned condiments at all hours; nor in how many the habits of dress were

directly opposed to the laws of health; nor how many of the eighteen per cent., in addition to the above, used tobacco. They do not show how large a percentage of boys and girls as actively engaged in any kind of mind work in doors, with the same outside surroundings, would be compelled to withdraw on account of ill-health." And yet, I think we have a right to demand some statistics on the above points before being asked to believe that all the ill-health among the boys and girls of our schools comes from the "high pressure principles" practiced there.

He says: "We doubt if it can honestly be made out that this is a wholly exceptional case. Town after town, all through the country, if carefully canvassed, would show some most startling figures." Doubtless, not only with reference to the amount of ill-health among school children, but to their habits of recitation, of sleep, of dress, of eating and drinking. It is doubtless true, as Cleveland statistics and Dr. S. affirm, that there is more suffering from "headaches, back or sideaches, nervous disorders and functional derangements" in our schools to-day, than in the good old days of our fathers, but are not the same classes of disease more "appallingly and significantly" prevalent among persons of all ages and occupations? The general cause of this, the physician may state. Dr. S. instances a young man who died last summer with the fresh-plucked honors of Harvard in his hand, and further says: "It is no solitary case. Many and many a town in New England can tell the same tragic story of its most brilliant boy or girl, sacrificed to this Moloch of education." In a neighboring State a rising young lawyer died just as he was winning the laurels of success. Another young man had won his way to a thriving business, and prosperity smiled on him, but he died. "Many and many a town can tell the same tragic story of brilliant boys or girls sacrificed" in their headlong zeal to

attain places of honor in business or profession. The "brilliant" ones fail, for the mediocres and dullards take life too easily. But what do these examples prove? Shall we charge these fatalities to the account of school, profession or business alone? Try the cases by all means. Let nothing be covered. Declare them guilty when so proven. But let not the investigation stop till the life-surroundings and habits are understood. H.

In conclusion, we say to our petitioners and resolutionists, that we have found some of the charges against our public schools true, and have suggested needed reforms: but we do not find it necessary to convert them into hospitals, nor necessary to station medical supervisors within them.

JOHN D. CREHORE,
W. J. SCOTT,
CHAS. C. DEWSTOE,
Com. on Public Buildings, Hospitals and Sewers.

W. J. SCOTT,
H. W. KITCHEN,
Committee on Sanitary Affairs.

Received and adopted.
Jan. 13, 1882.

NINTH

Annual Report

OF THE

BOARD

OF

FIRE COMMISSIONERS

OF THE

CITY OF CLEVELAND, OHIO,

FOR THE

YEAR ENDING DECEMBER 31ST, 1882.

BOARD OF FIRE COMMISSIONERS.

ORGANIZED APRIL 28, 1882

MEMBERS.

F. G. KAUFHOLZ, PRESIDENT.
Residence, 640 Walton Ave.
Place of Business, 111 Columbus St.
Citizen Member. *Term Expires April*, 1884.

JOSEPH SLAGHT,
Residence, 825 Logan Avenue.
Place of Business, 825 Logan Avenue.
Citizen Member. *Term Expires April*, 1883.

WILLIAM H. KING,
Residence 43 Greenwood Street.
Place of Business, 197 Superior Street.
Council Member. *Term Expires April*, 1883.

NICHOLAS WEIDENKOPF.
Residence, 43 Quincy Street.
Place of Business, 133 and 135 Water Street.
Citizen Member. *Term Expires April*, 1885.

JAMES D. SHANNON.
Residence, 190 Wason Street.
Place of Business, Academy of Music, Treasurer.
Citizen Member. *Term Expires April*, 1886.

A. J. SPENCER, Secretary.
Residence, Cataract House, 18th Ward.
Term Expires April, 1886.

OFFICERS OF THE DEPARTMENT.

JAMES W. DICKINSON,

Chief Engineer,

Office in the City Hall, Room 11.

H. H. REBBECK,

First Assistant Chief Engineer and Superintendent of Telegraph.

Office in the City Hall, Room 13.

JOSEPH SPEDDY,

Second Assistant Chief Engineer.

Office at Engine House No. 7.

A. A. CAVANAH.

Third Assistant Chief Engineer.

Office at Engine House No. 4.

James Dickinson was appointed Chief December 22d, 1880.

Assistants Rebbeck and Speddy were promoted to their present positions, December 31, 1880.

A. A. Cavanah was promoted to Third Assistant, December 31, 1880.

STANDING COMMITTEES.

Men and Discipline:
Messrs. SHANNON and SLAGHT.

Engines and Apparatus:
Messrs. SHANNON and WEIDENKOPF.

Horses and Horse Feed:
Messrs. SLAGHT and SHANNON.

Buildings and Repairs:
Messrs. SLAGHT, KING and CHIEF.

Equipments:
Messrs. KING and WEIDENKOPF.

Telegraph:
Messrs. KING and SLAGHT.

Water and Supplies:
Messrs. WEIDENKOPF and SHANNON.

Finance:
Messrs. WEIDENKOPF, KING and KAUFHOLZ.

Condemning Committee:
Messrs. SLAGHT, WEIDENKOPF and CHIEF.

FIRE COMMISSIONERS' REPORT.

OFFICE OF THE BOARD OF FIRE COMMISSIONERS,
Cleveland, Ohio, December 31, 1882.

To the Honorable City Council of Cleveland, Ohio:

GENTLEMEN—In compliance with the usual custom the Board of Fire Commissioners most respectfully submits its Ninth Annual Report, embracing the financial condition of the Department, covering the aggregate receipts and disbursements for the year 1882, with other matters pertaining thereto.

MEMBERS OF THE BOARD IN 1881 TO APRIL 1882.

GEORGE GLOYD, President.
F. G. KAUFHOLZ, JOSEPH SLAGHT, N. WEIDENKOPF.
T. M. WARNER.

MEMBERS OF THE BOARD FROM APRIL 1882.

F. G. KAUFHOLZ, President.
JOSEPH SLAGHT. N. WEIDENKOPF. J. D. SHANNON.
W. H. KING.

A vote of thanks was extended to Messrs. Gloyd and Warner, upon these gentlemen's retiring from the Board for valuable services rendered the department.

UNIFORMED FORCE.

The uniformed force of the Fire Department consists of one Chief, three Assistant Chiefs, eighteen Captains, eighteen Lieutenants, thirteen Engineers, thirteen Assistant Engineers and seventy-nine firemen.

EMPLOYES.

One Veterinary Surgeon, who also acts as fireman.
One Storekeeper, who also acts as fireman.
Three Operators.
One Lineman.

FIRE DEPARTMENT FORCE AND SALARIES PER YEAR.

James W. Dickinson, Chief	$ 2,200 90
Henry H. Rebbeck, First Assistant and Sup't of Telegraph	1,785 00
Joseph Speddy, Second Assistant	1,680 00
A. A. Cavanah, Third Assistant	1,575 75
A. J. Spencer, Secretary	1,500 00
Eighteen Captains, each	1,008 00
Eighteen Lieutenants "	781 20
Thirteen Engineers "	1,008 00
Thirteen Assistant Engineers, each	781 20
Seventy-nine Firemen, "	756 00
Three Operators, "	840 00
One Veterinary Surgeon	840 00
One Line Repairer	756 00
One Store Keeper and Harness Repairer	756 00

The above schedule of salaries was fixed by the Board and approved by the Council for one year, commencing July 1st, 1882, and ending June 30th, 1882.

It is not expected that every member of your Honorable Body should be as conversant with the details and work-

ings of this department as the members of this Board, and because of this lack of knowledge, a little unjust criticism was indulged in on the part of some of your members.

The opposition to adopting the above schedule, as fixed by this Board, arose probably not on account of prejudice, but undoubtedly from a wrong impression of the workings or management of the department.

The present system of "Captains" about which a little discussion was indulged in, is not a new experiment, but has been established in nearly all the large cities for some time, and its benefits in Cleveland have already been made manifest in several ways. One change alone, that of requiring each Captain to inspect buildings and report, has undoubtedly prevented a number of fires which might have otherwise occurred, had it not been for this system. Some people are very careless, and by being prompted occasionally to be a little more careful with fire sometimes is very beneficial.

In preparing the salaries for your approval the Board was governed by the Fire Department Fund. Gladly would an increase have been made in accordance with the minority report of your committee but the Fund would not permit it.

The force has been increased during the year by one company of six men, located in the Twelfth Ward, with a Hook and Ladder Truck, and a chemical engine combined.

Only one death has occurred in the department during the year.

Capt. John T. Gillson, of Hook and Ladder Co. No. 2, a faithful and an efficient officer, died at his residence April 10th, 1882, having been in service since 1865.

APPARATUS.

The apparatus of the department consists of fifteen steamers, of which five are first-sized rotaries of the Silsby manufacture; four of the second-sized rotaries of the Silsby

manufacture, two of the third-sized rotaries of the Silsby manufacture, two of the second-sized piston of the Amoskeag pattern, two of the third-sized piston, manufactured by C. Ahrens & Co., five hook and ladder trucks, provided with fire extinguishers, ladders, buckets, etc., five four-wheeled hose carriages, eighteen two-wheeled hose carts, eleven heaters, one aerial ladder, one delivery wagon, three heavy open buggies, three fuel wagons, one telegraph wagon and six exercise wagons. One chemical engine not yet in service.

HOSE.

No. of feet.	Kind.	Name of Manufacturer.
400	Rubber.	B. F. Goodrich & Co., Akron, Ohio
10,350	"	Cleveland Rubber Co., Cleveland, Ohio.
1,650	"	Gutta Percha and Rubber Mfg Co., New York.
100	Linen.	Gutta Percha and Rubber Mfg. Co., New York.
.....	.....	Whitehead Brothers, Trenton, N. J.
5,950	Cotton.	Fire Fabric Hose Co., Warwick, N. Y.
2,000	"	Eureka Fire Hose Co., New York.
50	"	American Jacket Hose Co., Chelsea, Mass.
100	Rubber.	Boston Belting Co.
200	"	N. Y. Belting Co.
50	.....	Eureka Fire Hose Co.
20,850	Total.	

HOSE CONTRACTS SINCE 1869.

Name of Manufacturer.	Kind.	When Purchased	No. Feet.	Price	Amount
Bickford, Curtiss & Deming	Leather.	Sept. 1869.	5,000	1 60	$8,000 00
B. F. Goodrich & Co., Akron, O.	Rubber.	May 1872.	3,000	1 30	3,000 30
New England Manufact'ng Co	Linen.	Nov. 1874.	1,000	1 14½	1,145 00
Cleveland Rubber Co.	Rubber.	Dec. 1874.	1,000	98	980 00
Buckeye Rubber Co	"	Mar. 1875	2,500	1 00	2,500 00
Buckeye Rubber Co.	"	June 1875.	2,100	1 00	2,100 00
Whitehead Bros., Trenton, N. J.	"	Dec. 1875.	2,000	1 18	2,360 00
Whitehead Bros., Trenton, N. J.	"	Nov. 1875.	1,750	1 18	2,065 00
Gutta Percha Co., N. Y.	"	Nov. 1875.	1,750	1 25	2,187 50
Eureka Fire Hose Co.	Cotton.	Aug. 1876.	500	1 10	550 00
Whitehead Bros., Trenton, N. J.	Rubber.	Aug. 1876.	1,000	88	880 00
B. F. Goodrich & Co., Akron, O.	"	Aug. 1876.	1,000	98	980 09
Blake Hose Co., Boston, Mass.	Cotton.	Aug. 1876.	500	1 00	500 00
Gutta Percha Co., N. Y.	Rubber.	Jan. 1877.	1,000	98	980 00
Cleveland Rubber Co., Ohio	"	Jan. 1877.	500	95	475 00
Gutta Percha Co., N. Y.	"	Apr. 1877.	1,000	98	980 00
Cleveland Rubber Co., Ohio	"	Apr. 1877.	1,000	95	950 00
Gutta Percha Co., N. Y.	"	May 1877.	1,000	98	980 00
B. F. Goodrich & Co., Akron	"	Aug. 1877.	700	98	686 00
Blake Hose Co., Boston, Mass	Cotton.	Oct. 1877.	500	1 00	500 00
Gutta Percha Co., N. Y.	Rubber.	Dec. 1877.	1,000	98	980 00
Gutta Percha Co., N. Y.	"	Jan. 1878.	505	98	490 00
Cleveland Rubber Co., Ohio	"	Apr. 1878.	1,000	95	950 00
Blake Hose Co., Boston, Mass	Cotton.	May 1878.	500	87½	437 00
Gutta Percha Co., N. Y	"	May 1878.	500	90	450 00
Gutta Percha Co., N. Y.	Linen.	May 1878.	1,000	60	600 00
Cleveland Rubber Co.	Rubber.	Dec. 1878.	3,000	95	2,850 00
Cleveland Rubber Co.	"	June 1879.	2,000	95	1,900 00
Cleveland Rubber Co.	"	Nov. 1879.	3,000	95	2,850 00
Cleveland Rubber Co	"	May 1880.	3,000	95	2,850 00
Akron Rubber Co.	"	May 1880.	1,000	95	950 00
Cleveland Rubber Co.	"	July 1881.	3,000	82	2,460 00
Fabric Hose Co., Warwick, N. Y.	Cotton.	July 1881.	1,000	90	900 00
" " " " "	"	Feb. 1882	2,000	90	1,800 00
Eureka Fire Hose Co.	"	Feb. 1882	1,000	1 00	1,000 00
Fabric Fire Hose Co.	"	Sept. 1882.	3,000	98	2,940 00
Eureka Fire Hose Co	"	Sept. 1882.	1,000	1 00	1,000 00

STATEMENT OF ALARMS AND CAUSES IN 1882.

Causes.	Jan.	Feb.	Mar	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Tot'l.
Carelessness	3	11	5	6	8	9	5	8	3	7	12	8	85
Carelessness with gasoline	1	..	2	4	1	4	6	7	1	3	3	2	34
Overheating	3	1	2	..	4	1	1	1	..	..	2	3	18
Defective flues	5	1	4	..	2	2	2	2	3	4	3	3	31
Defective grates	1	..	..	..	..	..	..	..	..	..	..	..	1
Defective furnaces	1	..	..	..	..	..	..	..	..	..	..	..	1
Stove upset	1	..	..	..	..	..	..	..	..	..	1	1	3
Lamp explosion	1	..	..	..	..	1	..	..	2	1	..	4	9
Sparks	1	6	9	15	12	4	5	6	1	3	4	3	69
Children playing with matches	2	2	1	..	1	..	2	..	2	2	1	..	13
Incendiary	2	7	6	3	3	3	2	8	1	3	1	1	40
Unknown	1	2	8	8	9	6	5	7	4	6	5	1	62
Unnecessary	2	1	..	..	..	1	1	2	..	..	..	..	7
False alarms	1	1	1	..	..	..	1	1	1	..	..	3	9
Stills	..	3	..	1	..	..	..	..	..	..	..	..	4
Children playing with fire	..	2	..	..	1	1	..	..	..	..	..	..	4
Spontaneous	..	3	2	..	3	..	2	2	3	1	1	..	17
Leaky oil stills	..	1	..	..	..	..	..	..	3	2	2	..	8
Straw burning	..	1	..	..	..	1	..	..	..	..	..	..	2
Chimney burning	..	1	4	..	3	1	..	..	..	..	1	5	15
Accidental	..	..	..	1	..	..	1	1	..	..	..	..	3
Ignition of gas	..	..	..	1	..	..	..	..	..	..	..	..	1
Bursting a carboy of acid	..	..	..	..	1	..	..	..	..	..	..	..	1
Fumigating	..	..	..	..	..	1	..	..	..	..	..	..	1
Explosion	..	..	..	..	..	1	..	..	..	..	1	..	2
Lamp upset	..	..	..	..	..	..	..	..	..	..	1	..	1
Swinging gas bracket	..	..	..	..	..	..	1	..	..	..	..	..	1
Mixing acids	..	..	..	..	..	..	..	2	..	..	..	..	2
Oil burning on river	..	..	..	..	..	..	..	1	..	..	..	..	1
Rubbish burning	..	..	..	..	..	..	..	..	..	2	..	..	2
Total	25	43	44	39	48	36	34	48	24	34	38	34	447

STATEMENT OF LOSSES AND INSURANCE 1882.

	Losses.	Insurance.
January	$ 1,715 00	$ 34,300 00
February	6,272 00	47,850 00
March	135,894 63	549,000 00
April	75,567 00	248,524 00
May	34,470 00	185,950 00
June	31,695 00	75,550 00
July	7,451 00	60,400 00
August	33,626 70	106,045 00
September	14,485 00	46,250 00
October	5,788 50	49,850 00
November	16,179 75	133,050 00
December	1,501 00	6,700 00
	$364,646 08	1,543,469 00

LOSSES AT FIRES DURING THE YEAR OF $1,000 AND UPWARDS.

February 7—Bohm & Stuhr, a frame and brick building	$ 3,200 00
March 2—W. S. Tyler, a three story brick building	4,699 00
March 24—W. P. Southworth, a three story building	98,000 00
Krauss & Co., a four story brick building	30,000 00
April 9—Powell Tool Co., a frame axe factory	15,032 46
April 21—B. Schwartz, a two story frame store	1,150 00
April 28—Schriber & Co., a four story brick block	43,000 00
George Johnson, a four story brick block	10,216 00
May 6—Zimmerman & Young, a three story brick block	2,200 00
May 16—C. C. Roberts, a three story frame factory	30,000 00
June 6—Cleveland, Brown & Co., a five story brick building	30,000 00
July 28—Cleveland Paper Co., a two story frame building	4,092 40
Suly 29—J. H. Vincent, a two story frame building	1,000 00
August 9—W. J. Gordon, a two story box factory	2,200 00

August	9.	Henry Henshon, two-story frame building	7,400
"	9.	Robert & Co., " " "	1,700
"	12.	Pat Smith, Tug Armedeus	6,000
"	29.	Union Oil Depot, one-story brick building	3,000
"	29.	Louis Ellsessar, two-story frame "	2,000
"	29.	L. S. & M. S. R. R., 5 cars	2,375
"	29.	Bee Line R. R., 4 "	1,900
September	7.	Union Foundry, two-story brick building	3,800
"	24.	Cleveland Rolling Mill Co., coperas sheds	2,500
"		" " " " galvanized iron works	6,250
October	8.	Thos. Keegan, two-story frame dwelling	1,000
"	11.	Chas. Lederer & Son, five-story brick building	1,500
November	2.	Sloss Brothers four-story brick building	1,500
"		E. Summers, " " " "	1,300
"	9.	Gabrille & Bro., three-story brick building	1,225
"	11.	E. Gillchrist, four " " "	1,022
"		A. Jacobs, " " " "	5,000
"	21.	Wagner Car Co.	1,725
December	16.	Mathias Wilhelmy, glass factory	1,000

The losses amount to about the same as in the year of 1881, being a little less by about $1,000. The loss at the Southworth fire, March 24th, was nearly one-half the whole sustained during the year, and the usual amount of credit was bestowed upon the department for its excellent work during the year, and it is an acknowledged fact that dangerous fires have been handled in the most skillful and praiseworthy manner.

RECEIPTS AND DISBURSEMENTS.

Months.	Disbursements. Pay Roll.	Disbursements. Claims.	Receipts.
Balance January 1st, 1882			$ 1,494 68
January	$ 9,818 86	$3,588 51	45 20
February	9,788 50	2,606 18	87,423 59
March	9,769 50	3,800 78	330 75
April	9,796 52	5,387 40	1,135 57
May	9,762 03	1,733 12	358 31
June	9,783 93	4,663 73	75 00
July	10,283 24	3,081 45	100 00
August	10,522 92	2,407 67	252 50
September	10,561 79	3,189 68	66,056 42
October	10,535 07	2,765 97	36 50
November	10,533 17	5,961 42	27 69
December	10,509 04		3,600 00
	$121,665 17	$39,135 91	
Disbursements		$160,801 08	
Balance		135 13	
		$160,936 21	$150,936 21

FIRE DEPARTMENT FUND.

Resources.		Disbursements.	
Balance Jan. 1st, 1882	$ 1,494 68	Ordinary expenses	$154,686 94
General taxes	153,480 01	Permanent improvements	6,114 14
Deposits by Secretary	2,327 16	Balance January 1, 1883	135 13
Trans. from Market Fund	3,600 00		
Warrants not drawn	34 36		
	$160,936 21		$160,936 21

DISBURSEMENTS SINCE 1874.

	No. of Min. Men	No. of Firemen.	No. of Houses.	Disbursements.
1874	2	116	10	$ 161,991 61
1875	54	98	11	170,976 59
1876		143	11	149,894 72
1877		143	13	156,019 12
1878		143	13	159,970 44
1879		142	13	151,792 99
1880		142	13	148,426 60
1881		142	13	148,713 43
1882		151	14	160,801 08
Total				$1,408,586 61

STATEMENT SHOWING THE AGGREGATE AMOUNT OF CLAIMS APPROVED AND ORDERED PAID IN 1882.

Services	$ 121,665 18
Houses and Repairs	4,802 58
Apparatus and Repairs	5,464 34
Horses, Shoeing, Medicine, &c	3,521 33
Horse Feed and Bedding	6,791 19
Harness and Harness Shop	206 84
Hose and Hose Shop	5,899 52
Fuel and Light	971 19
House Supplies	3,253 08
Office Expenses	361 61
Contingent Expenses	769 12
Reservoir Repairs	392 81
Fire Alarm Telegraph	2,456 44
Total Expenses paid in 1882	$160,801 08

STATEMENT SHOWING THE AGGREGATE AMOUNT OF EXPENSES FOR EACH COMPANY DURING 1882.

	No. of Men.	
Engine Co. No. 1	8	$ 7,945 84
" " " 2	8	7,870 75
" " " 3	8	7,640 28
" " " 4	8	7,758 91
" " " 5	8	7,380 62
" " " 6	8	7,474 71
" " " 7	8	7,702 49
" " " 8	8	7,264 57
" " " 9	8	7,854 34
" " " 10	7	6,754 81
" " " 11	7	6,546 13
" " " 12	8	7,491 32
" " " 13	8	7,573 04
Hook and Ladder Co. No. 1	9	8,018 65
" " " " " 2	8	6,167 87
" " " " " 3	8	5,560 82
" " " " " 4	5	4,528 66
" " " " " 5	6	5,827 03
Supply Co. No. 1	1	1,371 48
" " " 2	1	1,031 84
" " " 3	1	1,078 22
" " " 4	.....	264 94
Telegraph	4	6,534 08
Total	.....	$137,141 35

CHIEF'S REPORT OF FIRES, MILES, HOURS, ETC., 1882.

Companies.	No. of Fires Attended.	No. of Miles Run.	No. of Hours Worked.	No. of feet of Hose worked through at fires.
Engine Co. No. 1	145	219	53½	22,350
" " " 2	161	181	75½	28,450
" " " 3	161	298½	48½	31,150
" " " 4	119	198½	35	17,850
" " " 5	48	81½	26½	7,350
" " " 6	92	152½	43	17,150
" " " 7	82	223½	50	19,950
" " " 8	54	138	41½	17,550
" " " 9	53	149	33	23,950
" " " 10	11	35	5	1,900
" " " 11	47	97	32	17,800
" " " 12	30	57	8	10,500
" " " 13	75	274	34	18,350
Hook and Ladder Co. No. 1	197	333	126	
" " " " " 2	154	291	93	
" " " " " 3	102	308	62	
" " " " " 4	48	118	37	
" " " " " 5	12	20½	5½	
Total	447	3,170	809	234,300

There were thirty-two fires less in 1882 than in 1881, and it is gratifying to know that the department has been called out so many times with so few accidents. Only four men received injuries while responding to alarms or at work on fires; and accidents to apparatus were trifling to what they might have been.

VETERINARY SURGEON'S REPORT.

To the Honorable Board of Fire Commissioners:

GENTLEMEN — I have the honor to submit to you my annual report for the year ending December 31, 1882. There are sixty-seven (67) horses in service, and three lame and out of service. Only ten horses have been purchased during the year, at an expense of $2,107.50, and nine horses have been sold for $913.75. Two horses died — one of them from inflammation of the bowels, and the other dropped dead while on his way to a fire February 1st, of heart disease.

Heretofore it has been inconvenient in giving descriptions, as only the name has been the criterion, and there being several of the same name led to confusion. A system of numbering each horse has been adopted, and the horses hereafter will be known and described by certain numbers.

THE NUMBER OF AILMENTS OF HORSES REPORTED FOR TREATMENT BY EACH COMPANY.

	Horses.
Engine Co. No. 1	10
" " " 2	11
" " " 3	15
" " " 4	9
" " " 5	16
" " " 6	12

Engine Co. No. 7	11
" " " 8	11
" " " 9	4
" " " 10	9
" " " 11	6
" " " 12	12
" " " 13	21
Hook and Ladder Co. No. 1	9
" " " " " 2	8
" " " " " 3	4
" " " " " 4	4
" " " " " 5	2
Supply Co. No. 1	5
" " " 2	10
" " " 3	7
" " " 4	4
Telegraph	2
Aerial Ladder	7
Total number ailments	209

SUMMARY STATEMENT OF DISEASES TREATED.

Colic	28
Pinkeye	47
Quarter crack	6
Farcy	1
Lung fever	6
Bruised stifel	1
Bruised knee	4
Splints	2
Thrush	5
Worms	10
Sprained shoulder	8
Strain of loins	10
Injured eye	13
Abscess on shoulder	4

Rheumatism	1
Urinary derangements	9
Corns and bad feet	5
Scratches	24
Grease Heel	8
Sore neck	15
Nail in foot	2
Total diseases treated	204

C. S. BEVERLIN,

Veterinary Surgeon.

FIRE STATION No. 1,

Located at the corner of St. Clair and Academy streets, was known as Fire Department Headquarters until 1881, when Chief Dickinson transferred the title to the City Hall, where all business for the department is now transacted. The building is three stories, with ample means to accommodate Engine Co. No. 1, Hook and Ladder Co. No. 1, Aerial Ladder Supply Co. No. 2, harness shop and store-room. There are ten horses stabled here. Engine Co. No. 1 has three, Hook and Ladder Co. No. 1 has two, Aerial Ladder has two, (which are also used for teaming), Supply Co. No. 2 has two, Telegraph Corps has one.

The steamer is a first-sized rotary, built by Silsby Manufacturing Company, at Seneca Falls, N. Y. It was placed in service in October, 1868, and then known as the "Amos Townsend." It was thoroughly repaired with Silsby's latest improvements, and put in service again in July, 1880. Engine is numbered 200.

ENGINE COMPANY NO. 1.

Names.	Position.	When Appointed.
John Van DeVelde	Captain	January, 1863.
Charles A. Kyle	Lieutenant	July, 1880.
Thomas Waters	Engineer	December, 1870
John McWilliams	Assistant Engineer	Septembe, 1870.
John McNertney	Fireman	April, 1881.
Hugh Quay	"	April, 1881.
John Grady	"	August, 1881.
George Hartman	"	May, 1882.

The Hook and Ladder Truck was built by W. Gabriel & Sons, and placed in service in June, 1873.

HOOK AND LADDER CO. No. 1.

Names.	Position.	When appointed.
George A. Wallace	Captain	June, 1869.
Charles Dougherty	Lieutenant	November, 1873.
John McGloo	Fireman	May, 1876.
Henry Mershon	"	July, 1881.
Henry Kenneman	"	May, 1882.
Charles Sumner	"	May, 1876.
Chas. A. Hunt	"	May, 1882.
Celis La Barge	"	September, 1882
John Clancy	"	December, 1882.
James Price	"	April, 1882.

Fire Station No. 2 is located on Champlain street, near Ontario. The steamer is a second-size piston, Amoskeag pattern, and placed in service January, 1875; was known as the "Chas. A. Otis."

Names	Position.	When Appointed.
Richard Gorman	Captain	November, 1879.
Jos. H. Thomas	Lieutenant	December, 1877.
C. D. Murphy	Engineer	January, 1873.
A. H. Rowe	Assistant Engineer	January, 1879.
Henry Williams	Fireman	November, 1872.
John Cunnan	"	May, 1881.
August Bieber	"	December, 1882.
Ed. Ostrander	"	December. 1876.

There are three horses required for service — two for the steamer and one for the four-wheeled hose carriage, which was built in Albany, N. Y., by P. H. Shaw, at an expense of $500, and put in service in July, 1882.

Fire Station No. 3 is located on Huntington street, near Gordon. The engine is a first-sized rotary, built by the Silsby Manufacturing Company, at Seneca Falls, New York; was placed in service in November, 1871, and was known as the "F. W. Pelton." In 1873 it was sent back and repaired with new boiler head at Silsby's expense. At the Worthington fire it was considerably damaged. It was rebuilt in 1879, by the same company, at an expense of $950. The steamer is numbered 313.

ENGINE CO. NO. 3.

Names.	Position.	When Appointed.
William Reynolds	Captain	June, 1871.
William B. Crane	Lieutenant	January, 1879.
William H. Clayton	Engineer	December, 1870.
Erwin Reif	Assistant Engineer	June, 1880.
Frank Miller	Fireman	April, 1881.
George Pritchard	"	July, 1881.
Charles Hebbig	"	June, 1875.
Frank Dewey	"	June, 1877.
Thomas Hogan	"	December, 1882.

Fire Station No. 4 is located at the corner of Church and State streets. It is a double house containing two companies, Engine Co. No. 4 and Hook and Ladder Co. No. 2. The steamer is a first-sized rotary, built by the Silsby Manufacturing Company, and was placed in service in March, 1873, and was known as the "John Martin.' In July, 1874, it was sent to Seneca Falls, N. Y., and a new boiler head was made at Silsby's expense; also, the feed pump was changed in October, 1873. It is numbered 388. This is Assistant Chief Cavanah's headquarters.

ENGINE HOUSE NO. 4.

Names.	Position.	When Appointed.
William Long	Captain	April, 1863. January, 1865. August, 1874.
John Andrew	Lieutenant	May, 1873.
Sheldon Wright	Engineer	" 1869.
Rees D. Jones	Assistant Engineer	" 1876.
Edward Sewer	Fireman	" 1869.
Charles Anthony	"	August, 1871.
Frank Anthony	"	July, 1873. " 1875
Nelson R. Saunders	"	January, 1878.

Truck No. 2 was built by E. B. Leverick, Brooklyn, N. Y., and placed in service at Fire Station No. 1, in Septem- 1872, and transferred to its present location in 1873.

HOOK AND LADDER CO. NO. 2.

Names.	Position.	When Appointed.
Ira C. Benton	Captain	July, 1875.
Carlos E. White	Lieutenant	August, 1873.
Charles Fogg	Fireman	April, 1872.
Sanford Stephens	"	August, 1875.
Michael Mulcahey	"	May, 1875.
William C. Evans	"	January, 1882.

Captain John T. Gillson, who had served in the department since 1865, died April 10, 1882.

Fire Station No. 5 is located on Phelps street. The steamer was purchased from C. Ahrens & Co., of Cincinnati, Ohio, it being a third-sized Latta, and placed in service in

May, 1877. The extra engine known as the "Hill" was used here formerly.

ENGINE CO. No. 5.

Names.	Position.	When Appointed.
Fred. P. Farrand	Captain	May, 1876.
Henry Tucker	Lieutenant	Aug. 1872.
Walter McMahon	Engineer	September, 1863.
Frank Weber	Assistant Engineer	May, 1876.
George Eichhorn	Fireman	December, 1868.
Charles Wolf	"	October, 1879.
Charles Larick	"	June, 1882.
David Jones	"	December, 1882.

Fire Station No. 6 is located at the corner of Lorain and Brainard streets. The steamer is a first-sized rotary, built by Silsby Manufacturing Company, and placed in service March, 1873, at Engine House No. 2. It was sent to Seneca Falls, N. Y., in May, 1874, for a new boiler head and to be nickel-plated. It was returned in June, and transferred to its present location in February, 1875. In October, 1879, it was precipitated into the Cuyahoga River from Columbus street bridge, damaging it to some extent. The horses were drowned, and the men miraculously escaped. The engine is numbered 387, and having been in service ten years, needs to be repaired or replaced with a new one.

ENGINE CO. No. 6.

Names.	Position.	When Appointed.
John M. Moffett	Captain	December, 1878.
Henry J. Delaney	Lieutenant	May, 1877.
Oliver Hartzell	Engineer	September, 1867.
Elmer S. Yocum	Assistant Engineer	June, 1872.
Peter McMahon	Fireman	April, 1873.
John Schwartz	"	March, 1873.
Conrad Wamser	"	July, 1881.
Henry Harmon, Jr.	"	June, 1879.

Fire Station No. 7 is located on Forest street, near Gordon, and has a second-size rotary engine, built by the Silsby Manufacturing Company, and placed in service at Engine House No. 6 in 1864, and in April, 1865, was transferred to Engine House No. 7. In December, 1868, was sent to Silsby Manufacturing Company in May, 1872, for a new boiler. The number is 358.

ENGINE CO. No. 7.

Names.	Position.	When Appointed.
Charles B. Knapp	Captain	May, 1876.
Edwin A. Shaw	Lieutenant	May, 1881.
William Korts	Engineer	July, 1860. Febr'ary, 1874.
Charles D. Schwind	Assistant Engineer	April, 1870.
George Bruehler	Fireman	December, 1868.
Joseph Sharp	"	July, 1873.
Jacob Koehl	"	December, 1868.
James Burns	"	May, 1883.

Fire Station No. 8 is located on Scranton avenue, and has a third-size Latta engine, built by C. Ahrens & Co., and placed in service in October, 1878.

ENGINE CO. No. 8.

Names	Positions.	When Appointed.
William Weisheimer	Captain	July, 1873.
William Witt	Lieutenant	June, 1873.
Stephen B. Conklin	Engineer	January, 1869.
Nicholas Clancy	Assistant Engineer	May, 1876.
Otto Schuchardt	Fireman	November, 1877.
Thomas D. Emsley	"	October, 1877.
L. Bartholomew	"	April, 1882.
Benjamin F. Eyers	"	May, 1882.

Fire Station No. 9 is located on Willson avenue. The steamer is of the Amoskeag pattern, and built by the Manchester Locomotive Works for $3,600, it being second-size. It was placed in service in November, 1879.

ENGINE CO. No. 9.

Names.	Position.	When Appointed.
Charles T. Garrard	Captain	June, 1873.
Frank E. Davis	Lieutenant	February, 1873.
Frank I. Mears	Engineer	September, 1870.
Andrew J. Scovell	Assistant Engineer	July, 1872.
William Herr	Fireman	July, 1872.
Henry P. Boulton	"	Jauuary, 1879.
Arthur King	"	April, 1881.
William Robertson	"	October, 1881.

Fire Station No. 10 is located on Doan street, and has a second-size rotary engine, built by Silsby Manufacturing Company, and placed in service at Engine House No. 1 in December, 1862; transferred to Engine House No. 5 December, 1865; rebuilt by Silsby with new boiler, August, 1869; transferred to Engine House No. 9, 1873; repainted and transferred to its present location in 1875. It is numbered 211.

ENGINE CO. No. 10.

Names.	Position.	When Appointed.
Andrew R. Brott	Captain	January, 1878.
Geo. W. Davis	Lieutenant	September, 1878.
Frank Hughes	Engineer	August, 1878.
Harry Orland	Assistant Engineer	May, 1869.
Walter Harris	Fireman	October, 1878.
Leslie Hendershot	"	February, 1881.
Celis La Barge	"	September, 1882.

Fire Station No. 11 is located on the corner of Sawyer and Home streets, and has a second-size rotary engine, built by the Silsby Manufacturing Company. The engine was used as an extra engine for some time, until May, 1877, Mr. Silsby exchanged it for an engine then in service at this station. Its number is 254.

Hook and Ladder Company No. 4 is located in this house. The truck was built by Pine & Hartshorn, New York City placed in service in the volunteer department of the city in 1855, and named Forest City No. 1, with location on Frankfort street; was transferred to the West Side and numbered Hook and Ladder Company No. 2, September, 1868; transferred to the Seventeenth ward and numbered Hook and

Ladder No. 4, November 1st, 1873, and transferred to its present location in the Eighteenth ward, April 8, 1876, being at the present time the oldest apparatus in service in the department.

ENGINE CO. No. 11.

Names.	Position.	When Appointed.
Philip Walters	Captain	November, 1866
John F. Aukens	Lieutenant	August, 1876,
William Tenney	Engineer	August, 1870.
John McFeeters	Assistant Engineer	May, 1866.
William Dehaney	Fireman	August, 1873.
John D. Lewis	"	May, 1876.
John Nesbit	"	September, 1881.

HOOK AND LADDER CO. No. 4.

Names.	Position.	When Appointed.
Albert Stevens	Captain	May, 1870.
John Steel	Lieutenant	December, 1876.
John M. Marsh	Fireman	May, 1876.
Maurice Price	"	August, 1872.
Frank Shepard	"	May, 1882.

Fire Station No. 12 is located on Waverly avenue, near Lorain street, and has a third-size rotary engine, built by Silsby Manufacturing Company, and placed in service May 1877. Numbered 567.

ENGINE CO. No. 12.

Names.	Position.	When Appointed.
Charles E. Varner	Captain	February, 1872.
James Van Develde	Lieutenant	October, 1865.
Henry Harmon, Sr.	Engineer	October, 1862.
David Ward	Assistant Engineer	October, 1873.
William Hartzell	Fireman	October, 1872.
James Cunningham	"	October, 1873.
Samuel Jacket	"	October, 1872.
Jacob Bruehler	"	September, 1879.

Fire Station No. 13 is located on Broadway, near Petrie street, and has a second-size rotary engine, built by Silsby Manufacturing Company, and put in service at Engine House in July, 1863. September, 1870, it was repaired with a new main pump. April, 1872, it was sent to Seneca Falls and repaired with a new boiler. In 1874 it received a new set of wheels. February, 1875, was sent to Engine House No 9, and in the same year received a new air chamber, a new dome, and new brackets. In 1876, was sent to its present location. The number is 348.

There are two extra engines in service — one known as the "Hill," numbered 150, and the other known as the "Black Jacket," without a number, was rebuilt when Sam Brown was engineer.

ENGINE CO. No. 13.

Names.	Position.	When Appointed.
William H. Ney	Captain	June, 1873.
William H. Caddy	Lieutenant	May, 1877.
George Speddy	Engineer	June, 1878.
John Eldridge	Assistant Engineer	December, 1880.
Lyman H. Waterbury	Fireman	June, 1879.
George Messer	"	May, 1877.
Nelson Fairchilds	"	October, 1879.

Fire Station No. 14 is located on Pearl street, a new house completed in May, 1882. It has a Hook and Ladder Truck and Chemical Engine combined, purchased of the Fire Extinguisher & Manufacturing Company, at Chicago, Ill., at a cost of $2,200.

HOOK AND LADDER CO. No. 5.

Names.	Position.	When Appointed.
James Quarrie	Captain	May, 1876.
William Weisheimer	Lieutenant	July, 1873.
Samuel B. Allen	Fireman	May, 1882.
Frank Smith	"	January, 1873.
George Green	"	May, 1882.
John Waterbury	"	May, 1876.

HOOK AND LADDER CO. No. 3.

Names.	Position.	When Appointed.
John P. Belz	Captain	December, 1871.
John A. Moxon	Lieutenant	October, 1873.
George Hemerich	Fireman	August, 1875.
Frederick Stockey	"	May, 1876.
Conrad Bender	"	March, 1878.
John McNanie	"	June, 1879.
Warren B. Knowles	"	January, 1872.

TELEGRAPHIC DEPARTMENT.

OFFICE, BATTERY, SWITCH BOARDS, &c., IN CITY HALL.

Names.	Positions.	When Appointed.
Henry H. Rebbeck	Superintendent.	May, 1868.
George E. Bennett	Operator.	April, 1872.
Joseph Rothgery	"	October, 1871.
John D. Barlow	"	December, 1872.
Thomas Broderick	Lineman.	July, 1876.

MISCELLANEOUS.

Names.	Position.	When Appointed.
Perry H. Auxer	Harness Maker	May, 1877.
Clarence S. Beverlin	Veterinary Surgeon	April, 1880.
William T. Burgess	Supply Driver	January, 1881.
John Sewell	" "	April, 1881.

RESIGNATIONS DURING THE YEAR.

Names.	Position.	From what Co.	Time.
Wm. R. Howe	Fireman	Engine Co. 13	Jan. 6, 1882.
Chas. Riddle	Stoker	Engine Co. 3	Feb. 17, 1882.
Geo. Killip	Fireman	Engine Co. 1	May 5, 1882.
Nathan Laroe	Fireman	H. & L. Co. 3	May 26, 1882.
Henry Van Develde	Engineer	Engine Co. 12	Sept. 29, 1882.
Wm. Mathews	Lineman	Telegraph	Oct. 20, 1882.
Henry Kurtz	Engineer	Engine Co. 5	Dec. 15, 1882.
Edgar Ostrander	Fireman	Engine Co. 10	Dec. 15, 1882.
John Ackley	Fireman	Engine Co. 10	Dec. 15, 1882.

FIREMEN APPOINTED DURING THE YEAR.

Names.	Time of Appointment.
William C. Evans	January 6, 1882.
Nelson Fairchilds	January 6, 1882.
Charles Hebbig	February 17, 1882.
L. S. Bartholomew	April 28, 1882
Henry Kenneman	May 5, 1882.
Benjamin F. Eyers	May 5, 1882.
James Eyers	May 5, 1882.
Geo. J. Green	May 5, 1882.
George Hartman	May 5, 1882.
Samuel B. Allen	May 5, 1882.
Frank Shepard	May 5, 1882.
Charles H. Hunt	May 26, 1882.
Charles Larick	June 16, 1882.
Celis La Barge	September 29, 1882.
David Jones	December 15, 1882.
August Bieber	December 15, 1882.
Thomas Hogan	December 15, 1882.
John Clancy	December 15, 1882.

FIRE DEPARTMENT OF THE CITY OF CLEVELAND.

OFFICE OF THE FIRE ALARM TELEGRAPH,
December 31st, 1882.

Honorable Board of Fire Commissioners:

GENTLEMEN — In accordance with the rules and regulations of the department, I have the honor to submit my Annual Report in detail for the Telegraph branch of the department, with suggestions for your consideration, for the year ending December 31, 1882.

The instruments have worked well during the year, and given entire satisfaction through the department.

Five new alarms boxes have been ordered. Four of them have been put up as located, and the other will be as soon as the weather will permit. There have been two private alarm boxes placed in the circuit — one on the Cleveland Milling Company's building on Merwin street, and one on the N. Y., C. & St. L. Railway freight house on Cross street. The private alarm box belonging to the City Forge Company has been removed from the old works on Central Way to the new works on Case avenue, near the lake shore.

The telephones that were in Messrs. Gloyd's and Warner's residences were removed to the residences of Messrs. W. H. King and James D. Shannon; also the telephone in Mr. Sprankle's office was removed to Police Commissioner A. B. Halliwell's office, and made connections with the City Hall exchange. Telephone connections have been made to the new police stations on Willson avenue and Swiss street. The new house on Pearl street has also been fitted up with instruments and connected in circuit.

The old No. 3 fire line on the West Side has all been taken down and replaced with new poles and wire where it was necessary, and still there is more to be done when the weather will permit.

I would suggest that the steel wire put up in the Eighteenth ward be taken down and replaced with new wire in 1884, as, in my judgment, it will not be reliable any longer.

This has been the most difficult year that I have experienced, from the fact that there has been so many wires put up all over the city, causing trouble to keep the lines clear; therefore, I would call your attention to the necessity of having more help in the Telegraph Corps, so that in case of a break in the lines at night there would be a man to send out and repair the trouble temporarily until morning; also the place of an operator, when absent on account of sickness, could be more easily filled.

The work in the office is becoming more laborious, as will be observed by the following connections on the switch boards. There are fourteen fire stations, three department officers, five residences (Commissioners), nine police stations, Superintendent's office, three residences (Police Commissioners), Mayor's office and residence, Street commissioner's office and residence, Infirmary office and building, Central and West Side Markets, Woodland Cemetery, Work House, City Clerk's office, Viaduct, Health office, smallpox hospital, City Civil Engineer's office, Water Work's office, Board of Education, and three trunk lines to the Telephone Exchange, one of which is always kept clear, so that in case of notice of fires being given or received, or a call for police at the Central Telephone Exchange, that line is ready for that purpose without delay, making a total of fifty-five.

I would respectfully suggest that the locks on the fire alarm boxes be changed to what is known as the "trap key

lock," and new keys procured for the same, and that all be numbered and a record be kept in this office of each key holder, and that there be a sign placed on or near each box indicating where the keys can be found; also that the alarm boxes be painted.

The following tables will show the number of alarms given for each hour of the day, each day of the week, the number of alarms from each station.

Respectfully submitted by

H. H. REBBECK,

Superintendent of Fire Alarm Telegraph.

TABLE SHOWING THE NUMBER OF ALARMS GIVEN FROM EACH STATION.

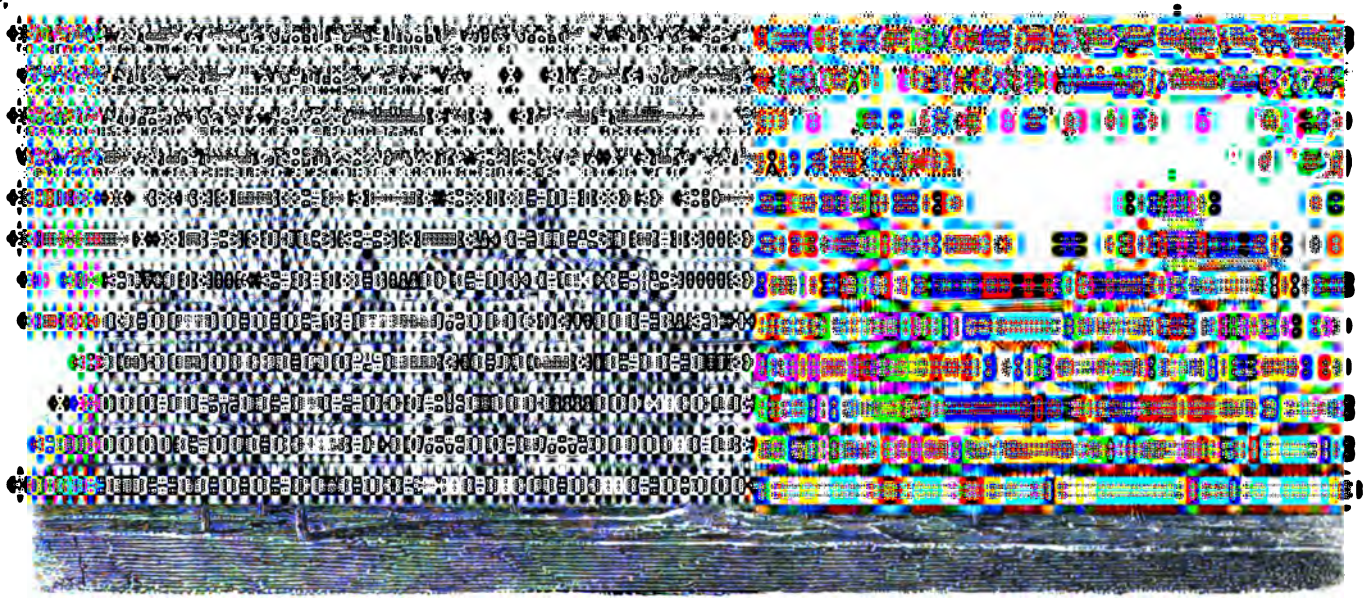
Stations.	Alarms.	Stations.	Alarm.	Stations.	Alarm.	Stations.	Alarm.	Stations.	Alarm.	Stations.	Alarm.	Stations.	Alarm.	Stations.	Alarm.	Stations	Alarm.	Total.
2	2	26	....	51	....	74	1	125	3	149	1	217	6	312	....	347	....	
3	5	27	3	52	1	75	1	126	2	151	....	218	2	313	....	412	....	
4	13	28	12	53	1	76	1	127	4	152	1	219	....	314	1	413	2	
5	4	29	5	54	....	81	2	128	1	153	3	231	1	315	....	414	....	
6	1	31	5	56	1	82	3	129	1	154	4	232	6	316	5	421	10	
7	....	32	7	57	3	83	2	131	2	156	....	234	7	317	....	423	....	
8	9	34	8	58	1	84	....	132	11	157	....	235	4	318	....	424	1	
9	3	35	8	59	....	85	3	134	....	162	2	236	1	319	....	425	....	
10	1	36	3	61	2	86	5	135	3	163	2	237	1	321	1	426	2	
12	14	37	4	62	9	87	5	136	2	164	3	238	....	323	....	427	5	
13	2	38	7	63	....	91	1	137	7	165	1	239	....	324	1	428	....	
14	5	39	1	64	2	92	1	138	....	....	....	241	....	325	2	431	....	
15	5	41	....	65	2	93	5	139	3	171	2	242	....	326	....	432	1	
16	2	42	2	67	....	94	7	141	....	172	1	243	1	327	....	434	6	
18	4	43	1	68	4	95	1	142	5	173	5	245	2	341	3	435	6	
19	13	45	2	69	2	96	4	143	2	212	4	246	....	342	3	....	....	
21	6	46	4	71	1	97	1	145	3	213	2	247	....	343	....	....	....	
23	2	47	4	72	1	121	2	146	3	214	1	252	2	345	....	....	....	
24	5	48	1	73	5	123	....	147	....	215	5	256	1	346	....	....	....	
25	3	49	....	....	....	124	47	148	1	216	1	....	....	....	....	....	....	
	99		77		35		47		52		38		24		16			46/444

TABLE SHOWING THE NUMBER OF ALARMS FOR EACH HOUR OF THE DAY.

1882.	A. M.												Total A. M.	P. M.												Total P. M.	Total.
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12		
January			1			1	1	1		2	2		8	2	1	2	1	1			3	2	2	3		17	25
February	2	3	1				1	1	1	2		2	13	1	3	3	2	4	2	4	2	7	2			30	43
March		9			2	1		1	3	4	2	1	23	3	2		6	4	1	1	1	2			4	24	41
April	1	1	2	2		5	1	3	2		4	2	23	1	1	1	2	1	1	1	3	2	2		3	18	47
May						1	2	6	1		2	3	15	1	6	3	4	4	2	5	4	1	1	1		32	47
June		2		2	2	1	1	2		3	1		14	2	2	3		1		2	2	3	3	3	1	22	36
July	1	1		1	1			1	1	3	3	2	14	2	1	2			3	1	3	4	1		1	18	32
August	5	1	1			1	1	1	2	1	4	2	19	2	5		3	2	3	7	2	3	1	6	1	35	54
September			3			1				1		1	6	2	2	1	5		1	2	1	1		4	1	20	26
October		1	2	1	1		1	1	3		1	1	12		3	3	2	3	2	1		1	1		1	17	29
November	3	1		3				2	4	1	3		17	1	1		1	1	6		3	1	2	1	2	19	36
December	2		1				1	1	2		3	1	11	2		2	3	4		1		1		1	3	17	28
Total	14	19	11	9	6	11	9	20	19	17	25	15	175	19	27	20	29	25	21	25	24	28	15	19	17	269	444

TABLE SHOWING THE NUMBER OF ALARMS FOR EACH DAY OF THE WEEK.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Sunday	4	3	3	8	4	2	3	3	2	4	6	4	46
Monday	5	4	8	2	6	1	4	4	5	4	4	2	44
Tuesday	5	12	6	3	6	8	3	10	1	6	4	9	73
Wednesday	4	9	2	9	12	5	6	10	3	4	8	4	76
Thursday	1	6	7	5	3	7	4	12	5	3	6	1	60
Friday	1	6	13	9	6	10	6	7	6	5	2	3	74
Saturday	5	3	8	5	10	3	6	8	4	3	6	5	66
Total	25	43	47	41	47	36	32	54	26	29	36	28	444



SHORT & FORMAN, LITH.

WORK HOUSE CLEVELAND, O.

TWELFTH ANNUAL REPORT

OF THE

Directors and Superintendent

OF THE

WORKHOUSE

AND

HOUSE OF REFUGE AND CORRECTION,

TO

THE CITY COUNCIL OF CLEVELAND.

FOR THE YEAR 1882.

CLEVELAND, O., February 19, 1883.

To the Honorable President and Members of the City Council:

GENTLEMEN:—The Board of Workhouse Directors most respectfully submit to your Honorable body, herewith, their Annual Report of the Institution over which they are placed together with the reports of the Superintendent and Physician for the year ending December 31, 1882.

This being the Twelfth Annual Report of this Institution.

By order of the Board, with the request that the same be printed in pamphlet form.

Respectfully yours, etc.

W. D. PATTERSON,
Superintendent.

Officers.

BOARD OF DIRECTORS.

DR. W. S. STREATOR,
Term expires June, 1784.

L. F. BURGESS.
Term expires June, 1886.

GEO. H. WARMINGTON,
Term expires June, 1887.

S. M. STRONG,
Term expires June, 1885.

CHAS. A. OTIS.
Term expires June, 1883.

OFFICERS OF BOARD.

DR. W. S. STREATOR, - - - - - - PRESIDENT.
L. F. BURGESS, - - - - - - - VICE PRESIDENT.
W. D. PATTERSON, - - - - - - - SECRETARY.

OFFICERS OF THE INSTITUTION.

Superintendent,
W. D. PATTERSON.

Deputy Superintendent,
JOHN A. McINTOSH.

Deputy Superintendent Refuge Department,
ALEXANDER McBANE.

Book-keeper,
EDGAR B. PATTERSON.

Assistant,
SAM'L M. WHITE.

Principal Matron,
MRS. M. A. PATTERSON.

Physician,
DR. P. H. SAWYER.

DIRECTORS' REPORT.

REPORT

OF THE

WORKHOUSE AND HOUSE OF REFUGE

DIRECTORS.

To the Honorable Mayor and City Council:

GENTLEMEN—The Board of Trustees respectfully submit the Annual Report for the fiscal year ending December 31, 1882, accompanied by the Report of the Superintendent, with tabular statements as follows: See Exhibits A, B, C, D, E and F. Also the clear detailed report of P. H. Sawyer, M. D.

Cash Account—On hand January 1st, 1882, $4,650.51. Received from sale of goods produced and sold during the year, $62,337.54; On Accounts—Bills Receivable, $38,771.75; Sundries, $8,403.32. Total receipts, $109,512.61.

Disbursed by warrants drawn on City Treasurer, $93,-354.94; leaving balance on hand at close of the year, 21,109.11.

For statement of the number of inmates and all improvements and expenditures, we would refer you especially to the full and clear report of the Superintendent.

We desire to call your attention to the fact that there are three classes of persons, or patients, as they may more properly be called—they certainly are not criminals—that are sent to the Workhouse, who should not be. in law or justice.

By sentencing them to the Workhouse it is doing a great injustice and wrong to the subjects, and putting a burden on this institution that does not belong to it, viz: First, Insane persons; second, Epileptics; third, Vagrants, made so by reason of disease. They should be sent by the courts to the institutions to which they properly belong. We have had more or less of these three classes in the Workhouse during the time we have been connected with the institution. Almost every case of discipline in the last two years has arisen directly or indirectly from one of the above mentioned classes. It is difficult to enforce the rules of the prison upon that class of inmates, and if not enforced, when insubordination exists, it demoralizes the whole prison discipline. As a remedy we would suggest that a competent physician be provided, who shall be subject to the order of court, to examine, and pass upon this class of prisoners, before the court renders judgment and sentence in such cases.

HOUSE OF REFUGE.

The Trustees feel deeply the responsibility of the unfortunate class confined herein as their wards.

The school is composed of children of both sexes, and all ages from eight years up to sixteen, and older, if placed with us before they were sixteen.

We find that most of them are received from the courts, charged with petty offenses, incorrigibility, &c., often on complaint of their parents or guardians even, and in many cases the object of their complaints being only to free themselves from the expense and care of their children until such time as they are old enough and physically strong enough, when their labor would not only keep themselves, but be a source of revenue to their parents, and at that stage they almost invariably apply for their discharge. This may be an uncharitable view to take of their motives, but on application

for discharge we often hear such remarks as this: "We only put them there to stay a year," or "until they got a little older and stronger." Notwithstanding this imposition on the institution, the Trustees are doing all within their power for the mental development and education of this unfortunate class, not forgetting that success in this line depends very largely on good health and good physical development. Coming as they often do into the institution with poor, weak constitutions, full of scrofula, consequent upon hereditary taints and poor and improper food in early life, we feel that humanity demands of the guardians of these wards, that everything possible should be done to develop the physical and mental condition of these children. Therefore we again venture to suggest that "legislation should be obtained at no distant day" looking to the removal of the House of Refuge from the Workhouse, to a location where the above objects can be more successfully carried out.

The sanitary condition is good beyond any question. For special information on this subject permit us to invite your careful attention to the report of P. H. Sawyer, M. D.

We are happy to be able to say that the Superintendent and Matron have been untiring in their efforts to comply with every order and wish of the Trustees, and to promote the happiness and comfort of the inmates of the institution.

The employes enjoy the confidence of the Board, are courteous and kind, and the best of feeling prevails between the Trustees, officers and employes.

Respectfully submitted,

W. S. STREATOR, *Pres't.*
L. F. BURGESS,
C. A. OTIS,
GEO. H. WARMINGTON,
S. M. STRONG,
Directors.

SUPERINTENDENT'S REPORT.

SUPERINTENDENT'S REPORT.

To the Honorable Board of Directors of the Workhouse, House of Refuge and Correction:

GENTLEMEN:—I have the honor, as well as pleasure, to submit this my Twelfth Annual Report, being for the year closing December 31, 1882. This being the twelfth annual report of this institution.

POPULATION.

	Males.	Females.	Total.
January 1, 1882, in prison	252	65	317
Received during the year	1,198	260	1,458
Total under care	1,450	325	1,775
Discharged during the year	1,236	276	1,512
Remaining December 31, 1882	214	49	263
Showing a decrease, compared with same date last year, of	38	16	54
The average number of prisoners in confinement for the year, being per month	192	49	241
Daily average cost being			.33
Weekly " "			2.33
Monthly " "			9.34
Yearly " "			112.18

The financial statements herewith will show you, in detail, the workings of the institution, together with statistical tables of valuable information.

We commenced the year with

Cash in hands of Superintendent to amount of	$ 300 93
Received by Superintendent from all sources	109,512 61
Total to account for	109,813 54
Amount paid into City Treasury during the year	109,065 51
Balance in hands of Superintendent	748 03
Balance in City Treasury at beginning of the year	$ 4,650 51
Deposited by Superintendent of Workhouse, as per Treasurer's receipts	109,065 51
Amount in hands of Treasurer to account for	113,716 02
Paid out out on warrants drawn	93,354 94
Balance in City Treasury at close of year	20,361 08

In Account "A" it is shown thus—the above two combined:

Balance at first of year	$ 4,951 44
Receipts for year	109.512 61
	114,464 05
Warrants drawn on City Treasurer for the year	93,354 94
Balance on hand at close of year	$ 21,109 11

The money thus paid out, being for eleven months of the current year, and the last month of the year 1881. According to the system of payments and the drawing of warrants upon the City Treasurer, the bills for the last month of each year are not paid until the first month of the succeeding year. This regulation is made by city ordinance.

The following shows the sources of receipts for the year:

From bills receivable—on book account	$ 38,771 75
From brush sales during the year	62,337 54
From fines in "State Cases" collected	6,813 53
From sales sundries	1,589 79
Total	$109,512 61

See detailed account Exhibit "A."

BUSINESS.

The business of the year has been the most prosperous and successful of any in the history of the institution. As in the past, the only industry from which any revenue of a considerable amount is derived, being the manufacture of brushes.

During the year orders for our goods have been received in advance of our ability to fill; prices have been well maintained, with gratifying results, as shown in our brush account, the result being the third best in our history, and this, too, with a less number of prisoners than in some of the past years, thus fulfilling my hopes as expressed in my last report.

The revenues of the institution are entirely those arising from our manufacturing interests, with a small amount from individuals and from United States for boarding and care of United States prisoners.

No provision was made for this department of the city government by way of taxation for the years 1881 and 1882, but a tax levy was asked for, by this Board of Management, to be levied in 1882. The same was kindly granted by those in authority, but receipts arising from taxation are not available until in the year succeeding the one in which the tax is levied.

Thus thrown upon our own resources for the past two years, we have subsisted, have made all necessary improvements, kept up repairs, paid all bills and demands against the institution at maturity, and close the year with a balance in the city treasury, of twenty thousand, three hundred and sixty-one dollars and eight cents (20,361.08), and yet fearing for the future, as we have reason to do, there being so many contingencies connected with our business, and having forebodings of a depleted treasuary, with bills to pay and nothing to pay with; it was considered prudent to ask for a tax levy, as above stated, to be available in the year 1883.

IMPROVEMENTS.

This account foots up for the year the sum of seven thousand and seventy dollars and sixty-five cents (7,070,65) for permanent and necessary improvements. In our last annual report we referred to new steam boilers being then put up, but not quite completed; the expense for the same, with the steam connections and fitting up for use, costing the sum of four thousand six hundred and one dollars and seventy-six cents (4,601.76), and shown in this year's accounts, as the payments were not made until all were completed.

A large and commodious ice house has been built for the use of the institution, having a capacity for one hundred and thirty-five tons of ice, with cooling room for the better care of fresh meat, milk, butter, etc., the same erected under the most approved patent and plan; the labor for same, excepting foundation walls and slate roofing, being performed by our own mechanics; the expense in cash being five hundred and forty-nine dollars and thirty-five cents (549.35), and will require a small expense yet, in laying up the brick walls on the outside of the wooden frame, the brick being on the premises and paid for, and included in the above expense.

This improvement was considered a necessity, inasmuch as a change was made in the manner of supplying the institution with fresh meats. Now we purchase per carcass, one, two or three at a time, as may appear necessary: and the institution has the benefits of all there is in the whole carcass. Under this new arrangement we do not expect to purchase meat supplies for less money than formerly, but we have the satisfaction of knowing that we are getting a much better supply than in the past.

A new and very complete arrangement was put up in the western wing of the prison for men for washing purposes: in the morning, or at other times, without, as formerly, having to cross the yards, in sunshine, rain or storm, without

roof or protection, to say nothing of inconvenience or danger, and consumption of valuable time. This improvement consists of iron troughs, made in sections, when put together forming two continuous troughs, each forty-eight feet in length, furnishing accommodations for forty-eight men to wash at once; each man being furnished with a tin wash-basin, these troughs serving as a stand, and at the same time to receive the waste water and convey it to sewerage; each four foot section of trough being supplied with a self-closing faucet. This we regard as a very great convenience and comfort, and not expensive; the whole, together with water pipes to convey the water to same, and connections, costing the sum of two hundred and thirty dollars ($230.00); money wisely and economically spent.

New walks of sawed stone have been laid in western yard, from prison building to shops, six feet wide; and in eastern yard, between prison and female department, four feet in width; these to replace the old ones, dilapidated and worn out. The necessity for these walks was apparent, the cost for same being two hundred and sixty dollars and fifty-three cents ($260.53).

Some repairs were also made to the stone floors in prison buildings, some worn out pieces removed and new ones placed in their stead.

The walls and ceilings of the halls in front house, formerly kalsomined in plain tints, were thoroughly washed, the ceilings re-kalsomined and walls painted in lead and oil in plain colors; an improvement neat and durable, costing the sum of one hundred and forty dollars and twenty-one cents ($140.21).

PLUMBING.

In the House of Refuge Department the old wooden floors in water closets, had become a source of trouble and inconvenience; the entire wood-work floor and joists were taken out, iron joists were substituted for the old wooden ones, already decaying, brick arches formed between the same, and upon this was put down a slate floor, laid in cement. The closet seats and stands removed, repaired and replaced, and water pipes for hot and cold water rearranged, with commodious iron slop sink in same room. The walls of the room, three feet up from the floor, have been cemented with best quality of cement, so that there is now no wood or other absorbent material to contend with. Ventillating pipe was carried from this room out through the roof of the building. The ceiling, which was of lath and plastered, and badly broken and damaged, was removed, and replaced with matched flooring and painted. No improvement of the year was a greater necessity, and none made is more permanent and complete.

The entire plumbing of the whole institution has been overhauled and put in complete order.

The worn out wooden floor in the basement of the front house has given place, also, to a floor of broken stone and lime mortar, with a covering of cement, which now has an appearance of neatness and durability.

In all these improvements prison labor has been a prominent part, from which no financial return comes, and yet a saving of hundreds of dollars has been effected by such services.

The great problem is yet unsolved, as to how best to deal with, and what is to be done for, the criminal classes, and more especially with the petty offender, habitual "drunks," vagabonds, &c.

From carefully prepared tables (see tables) annexed, it will appear that the laws, as enforced, have utterly failed in accomplishing the desired result, viz: reformation. When we look at the frequency of arrests, trials, convictions and sentences of the same offender, to the Workhouse, and for the same class of offences, and no outward evidences that the individual has profited by these sad and humiliating experiences, through which he or she may have passed. We naturally ask ourselves the question: Can it be that the penalties for violated law, as administered by our courts, are a failure? Is the Workhouse and its system of administering discipline in the enforcement of law, under its rules and regulations, and its moral instruction from time to time, or a mistaken sympathy, at fault. Have all these been helps or hindrances to the individual coming under the ban of the law. If these experiences through which these persons have passed have not prompted to repentance and reformation, then some other remedy must be applied for their recovery. It may be profitable to consider the expenses incurred in any one of these cases referred to in their frequent arrests, trials, convictions and sentences, and the same repeated as will be seen by the table, from one to twenty-nine times, in the same individual. The curious can figure out to their satisfaction these expenses. A remedy is at hand for all these failures, if we may call them such. It is a new code of laws; abandon the old and expensive, and create a new law, so that such persons shall have meted out to them an indeterminate sentence, based upon their reformation, whether that reformation may come in *six* months, *one* year, or *five* years, or longer.

A mistaken philanthropy, so-called, may say this would be excessive when the nature of the offence is considered, our answer is that it would be economy in the end, and better for the individual physically, mentally and morally, and

better for the city financially. Would it not be better in results that these twenty or twenty-five sentences and fines should be served at *once*, than to be distributed over a period of ten, fifteen or twenty years? These intervals between sentences, as now, under existing laws, are only so many helps, in a profligate course, and so many hindrances in the work of reformation. Under an indeterminate sentence, where the offender would be committed until reformed, there is time for meditation and culture; the individual made to contribute largely to his or her support, and all will admit that crime should be made to pay its own expenses.

It is vain to proceed further on the old line, and to expect new results. The new line of policy should be the indeterminate sentence system. Such a system as I have suggested, now is in operation in some of the States, and should certainly commend itself to all good citizens, and especially to those who have given thought to crime, criminals penalties and the results.

HOUSE OF REFUGE.

This department is gradually decreasing in numbers.

	Boys.	Girls.	Totals.
We commenced the year with a family of	81	20	101
Received in 1882	62	4	66
Under care in 1882	143	24	167
Discharged in 1882	64	8	72
Remaining December 31, 1882	79	16	95
The daily monthly average for the year being	76.42	16.80	93

A net decrease of six persons for the year.

The schools in this department have been in continuous operation, throughout the year, under the same corps of teachers and management, as at date of last report. There can be no doubt but that these schools are doing a good work, and

that many children, who have come here from homes of poverty and neglect, or those having no homes, have here received the basis of a good common school education, and in many cases enough to enable them to successfully fight the battle of life.

The separation of the House of Refuge from the Workhouse has so often been referred to, and the necessity for such separation so manifestly important that I need but to call your attention to it at this time.

HEALTH.

The health of the prisoners has been generally good. No contagion or violent disease has visited the institution. Though in such a mixed family, coming in from vagrancy, dissipation and debauchery, it is not to be wondered at that many when received, are in a broken and diseased condition, in some cases both physically and mentally, and with disease so fastened upon them as to require constant care of the physician for days or weeks, and in some instances during the whole term of their imprisonment.

Three prisoners have died during the year in Workhouse department, and two in the House of Refuge department.

Dr. P. H. Sawyer has been in charge of the Medical department during the year, and has been faithful in his attendance, and careful, prudent and economical in his practice. He has, as per agreement, visited the institution every alternate day, and made many extra visits on call, or when a case under care and treatment, required daily visitation, and in a few instances two visits a day have been necessary. The account for medical attendance and medicines shows less than the previous year

RELIGIOUS.

The Sabbath services have been under the new arrangement made a little over one year since. That is—ministers of the city, in turn, have been invited to serve for a month at a time, preaching each Sabbath, which they have cheerfully done. We have had the services of the following denominations—Baptist, Congregational, Disciple, Methodist, Presbyterian and Unitarian, also a Catholic clergyman has conducted services on every alternate Sabbath morning. To all these services all the inmates of the House are required to attend.

The female prisoners and the girls of the House of Refuge have had frequent visits and religious instruction from christian ladies of the city, and though all these services by male and female workers are earnest and practical in character they are, so far as human observation goes, not crowned with abundant success in turning the feet of the erring into new and better paths, and consequently better lives.

Many a sad one—woman or child—has been gladdened by visits from ladies of the Flower Mission, and distribution of flowers; also Sunday school papers and children's books.

The monotony in daily school drill and discipline has given place to joy and gladness, at times, by the reception of baskets of apples, grapes, and lovely picture papers and magazines, sent in by sympathizing christian friends.

Books, magazines and religious papers are always sought after, and eagerly perused by all classes who can read, and are at all times welcomed.

In my intercourse with you, gentlemen of the Board, I have had, at all times, your hearty co-operation in all that

was for the interest of the institution. We have had perfect harmony, and I have had, as has my family, your personal friendship and sympathy. You have our gratitude.

Respectfully submitted,

W. D. PATTERSON,
Superintendent.

STATISTICAL TABLES.

SUPERINTENDENT'S STATEMENT.

EXHIBIT "A."

Statement of Receipts and Disbursements.

1882.		RECEIPTS.				
Jan.	21	Cash in hands of Superintendent	$ 300	93		
		" " City Treasurer	4,650	51		
					$ 4,951	44
Dec.	30	Cash receipts for year from Workouse			109,512	61
					114,464	05
		DISBURSEMENTS.				
Dec.	30	Cash paid by Warrants on City Treasurer			93,354	94
		Balance on hand			21,109	11
		Viz:—With City Treasurer	20,361	08		
		" Superintendent	748	03		
					$ 21,109	11
		DETAILED STATEMENT OF REC'TS.				
		Received on Brush account			101,109	29
Dec.	30	" for Fines and State cases			6,813	53
		" " Boarding U. S. prisoners			502	72
		" " Transfering Prisoners			448	15
		" " Sale of live stock			304	00
		" " Boarding—individual			102	00
		" " Shoe Shop account			61	30
		" " Sale of Flour barrels			58	87
		" " " Manure			18	25
		" " " Rags			15	52
		" " " Wire			14	40
		" " " Paper waste			11	48
		" " " Meat bones			14	30
		" " " Varnish barrels			10	50
		" " " Soap boxes			9	15
		" " " Soap grease			6	62
		" " " Lead scrap			3	12
		" " " Tea lead			2	00
		" " " Lime			1	30
		" " " Flour sacks			1	47
		" " " Sundries			4	64
					$101,512	61

EXHIBIT

Statement Showing Property on Hand and

DR.

1882.		EFFECTS.				
Dec'r	30	Amount due by sundry persons on Book Accouts to Workhouse Department	$15,426	57		
		Amount due by sundry persons on Book Accounts to House of Refuge Dep't	12,873	98	$28,300	55
		Furniture and Fixtures on hand in Workhouse	4,289	39		
		Furniture and Fixtures on hand in House of Refuge	1,013	11	5,302	50
		Stationery, Blanks, etc. on hand in Workhouse	294	35		
		School Books, etc. on hand in House of Refuge	189	50	483	85
		Clothing and Bedding on hand in Workhouse	2,781	36		
		Clothing and Bedding on hand in House of Refuge	2,089	87	4,871	23
		Shoes on hand in Workhouse	244	98		
		Shoes on hand in House of Refuge	238	10	483	08
		Brush Shop Manufactured Stock on hand in Workhouse	5,902	54		
		Brush Shop Raw Stock on hand in Workhouse	15,204	49	21,107	03
		General Implements on hand in Workhouse			1,799	50
		Provisions on hand in Workhouse			960	95
		Medicines on hand in Workhouse			23	95
		Fuel, etc			45	37
		Shoe Shop Tools and Materials on hand in Workhouse			65	38
		Brush Shop Tools on hand in Workhouse			4,669	05
		Engine Oil, Waste, etc. on hand in Workhouse			29	80
		Lumber on hand in Workhouse			176	70
		Live Stock on hand in Workhouse			1,258	00
		Cash in hands of Superintendent	748	03		
		Cash in hands of City Treasurer	20,361	08	21,109	11
					$90,686	54

"B."

Debts Due Workhouse and House of Refuge.

CR.

1882.		LIABILITIES.		
Dec'r	30	Amount due City of Cleveland—invested as follows:		
		Property in hands of Superintendent	$41,276 88	
		Cash in hands of Superintendent	748 03	
		Book Accounts—Workhouse	15,426 57	
		Book Accounts—House of Refuge	12,873 98	
				$70,325 46
		Cash in City Treasury		20,361 08
				$90,686 54

EXHIBIT

Statement Showing Expenses and Profits of

DR.

1882.		EXPENSES.			
Dec'r	20	Cost of—			
		Furniture and Fixt'rs,	Workhouse....	$ 772 40	
		" "	House of Refuge	285 64	
					$ 1,058 04
		Clothing and Bedding,	Workhouse	1,235 21	
		" "	House of Refuge	1,163 92	
					2,399 13
		Sundry Supplies,	Workhouse.....	1,944 94	
		" "	House of Refuge	273 72	
					2,218 66
		Shoes,	Workhouse....	435 62	
		"	House of Refuge	215 09	
					650 71
		Medical Supplies,	House of Refuge	170 00	
		" "	Workhouse....	521 14	
					691 14
		Salaries of Employes,	Workhouse....	11,646 62	
		" "	House of Refuge	2,097 05	
					13,743 67
		General Improvem'ts,	"	172 17	
		" "	Workhouse....	6,898 48	
					7,070 65
		" Implements,	"		320 97
		Provision Account,	"		15,948 45
		Fuel and Light,	"		3,913 38
		Brush Implement,	"		1,267 42
		Engine Account,	"		257 83
		Boiler "	" ...		34 38
		Hay and Feed,	"		956 15
		Boarding House and Refuge Inmates and Employes			2,987 96
		Loss by bad and boubtful Book Accounts			43 50
					$53,362 04

"C."

Cleveland Workhouse and House of Refuge.

1882.	GAINS.		CR.
Dec'r. 30	Gains--		
	In Manufacturing Brushes		$20,782 91
	" " Shoes		182 01
	On Live Stock		538 00
	" Labor of Boys, House of Refuge		2,691 39
	" Boarding		8,702 82
	" Fines, State Cases		6,813 53
	Net expense of maintaining Workhouse and House of Refuge		13,650 38
			$53,362 04

EXHIBIT

Statement Showing Monthly Bills Approved and

1882.				
Jan'y	31	Bills to Date Sent to City Auditor	$ 6,785 84	
Feb'y	28	" " " "	15,028 25	
Mar.	31	" " " "	9,792 54	
April	30	" " " "	6,565 74	
May	31	" " " "	8,822 48	
June	30	" " " "	8,632 43	
July	31	" " " "	6,589 97	
Aug.	31	" " " "	6,712 87	
Sep'r	30	" " " "	4,935 92	
Oct'r	31	" " " "	6,802 75	
Nov'r	30	" " " "	7,790 00	
Dec'r	31	" " " "	8,312 60	
		Add for Bills not yet audited.....	6,560 26	
				$103,331 65
		" December Bills 1881, paid in 1882		4,897 15
				$108,228 80

"D."

Sent to City Auditor for Payment.

1882.				
Dec'r	30	Warrants Drawn at Date	$93,355 94	
		Amount of Bills Unpaid at this Date ..	14,872 86	$108,228 80
				$108,228 80

EXHIBIT

Superintendent's

1882.				
Jan'y	1	Balance on Hand		$ 300
Dec'r	30	Receipts to date—(Exhibit "A.")		109,512
				$109,813 54

EXHIBIT

Statement of Workhouse, House of Refuge and

1882.			
Jan'y	1	Balance in hands of City Treasurer—(Exhibit "A.")	$ 4,650 51
Dec'r	30	Cash Deposited by Superintendent	109,065 51
			$113,716 02

[illegible]	668 00	
[illegible]	218 63	
[illegible]	409 22	
[illegible]	630 78	
[illegible]	022 72	
[illegible]	695 88	
[illegible]	167 48	
[illegible]	098 89	
[illegible]	909 79	
[illegible]	424 91	
[illegible]	919 79	
[illegible]	999 42	
[illegible]		$109,065 51
[illegible]		748 03
		$109,813 54

[illegible] Treasury.

[illegible] (Exhibit "A.").	$ 93,354 94
[illegible]	20,361 08
	$113,716 02

ABSTRACT OF WORKHOUSE ACCOUNTS.

1882			Dr.	Cr.
		BRUSH ACCOUNT.		
Jan.	1	To Balance on hand	$ 28,937 39	
Dec.	30	" Purchases during the year	51,865 80	
		" Profit on this account	20,782 91	
Dec.	30	By Sales during the year		$ 80,479 07
		" Balance on hand		21,107 03
			$101,586 10	$101,586 10
		SHOE SHOP ACCOUNT.		
Jan.	1	To Balance on hand	75 65	
Dec.	30	" Purchases during the year	201 51	
		" Profit on this account	182 01	
Dec.	30	By Shoe Repairs		61 30
		" Shoes for Workhouse		173 40
		" Shoes for House of Refuge		158 69
		" Balance on hand		65 78
			$ 459 17	$ 459 17
		LIVE STOCK ACCOUNT.		
Jan.	1	To Balance on hand	944 00	
Dec.	30	" Purchases during the year		
		" Profit on this account	538 00	
Dec.	30	By Sales of Stock during the year		224 00
		" Balance on hand		1,258 00
			$ 1,482 00	$ 1,482 00
		FURNITURE AND FIXTURES ACC'T.		
Jan.	1	To Balance on hand	4,855 62	
Dec.	30	" Purchases during the year	206 17	
Dec.	30	By Balance on hand		4,289 39
		Expense of this account		772 40
			$ 5,061 79	$ 5,061 79
		CLOTHING AND BEDDING ACCT'S.		
Jan.	1	To Balance on hand	2,679 55	
Dec.	30	" Purchases during the year	1,383 54	
Dec.	30	By Sales old rags during the year		46 52
		" Balance on hand		2,781 36
		Expense of this account		1,235 21
			$ 4,063 09	$ 4,063 09

1882.			Dr.	Cr.
		SUNDRY SUPPLIES ACCOUNT.		
Jan.	1	To Balance on hand	$ 116 61	
Dec.	30	" Purchases during the year	2,188 86	
Dec.	30	By Sales soap boxes, etc., during the year		$ 66 18
		" Balance on hand		294 35
		Expense of this account		1,944 94
			$ 2,305 47	$ 2,305 47
		SHOE ACCOUNT		
Jan.	1	To Balance on hand	453 35	
Dec.	30	" Purchases during the year	227 25	
Dec.	30	By Balance on hand		244 98
		Expense of this account		435 62
			$ 680 60	$ 680 60
		PROVISION ACCOUNT.		
Jan.	1	To Balance on hand	782 17	
Dec	30	" Purchases during the year	16,289 76	
Dec.	30	By Sales barrels bones, etc		162 53
		" Balance on hand		960 95
		Expense of this account		15,948 45
			$ 17,071 93	$ 17,071 93
		FUEL AND LIGHT ACCOUNT.		
Jan	1	To Balance on hand	181 65	
Dec	30	" Purchases during the year	3,778 46	
Dec	30	By Sales oil barrels, etc		1 36
		" Balance on hand		45 37
		Expense of this account		3,913 38
			$ 3,960 11	$ 3,960 11
		IMPLEMENT ACCOUNT.		
Jan	1	To Balance on hand	1,803 05	
Dec	30	" Purchases during the year	317 73	
Dec	30	By Discount on Purchases		22
		" Balance on hand		1,799 59
		Expense of this account		320 97
			$ 2,120 78	$ 2,120 79
		BRUSH IMPLEMENT ACCOUNT.		
Jan	1	To Balance on hand	5,769 83	
Dec.	30	" Purchases during the year	197 14	
Dec	30	By Sale of Sample Trunks		30 50
		" Balance on hand		4,669 05
		Expenses of this account		1,257 42
			$ 5,966 97	$ 5,966 97

1882.		Dr.	Cr.
	ENGINE ACCOUNT.		
Jan 1	To Balance on hand	$ 24 14	
Dec 30	" Purchases during the year	263 49	
Dec. 30	By Balance on hand		29 80
	Expense of this account		257 83
		$ 287 63	$ 287 63
	MEDICAL SERVICES AND SUPPLIES.		
Jan. 1	To Balance on hand	31 74	
Dec 30	" Professional services and drugs	515 36	
Dec 30	By Discount on Purchases		2 01
	" Balance on hand		23 95
	Expense of this account		521 14
		$ 547 10	$ 547 10
	IMPROVEMENT ACCOUNT.		
Jan. 1	To Balance on hand	215 40	
Dec 30	" Cost for Improvement	6,862 40	
Dec 30	By Sales of Lead, etc		3 62
	" Balance on hand		176 70
	Expense of this account		6,898 48
		$ 7,077 80	$ 7,077 80
	BOILER ACCOUNT.		
Dec 30	To Purchases during the year	34 38	
Dec 30	Expense of this account		34 38
		$ 34 38	$ 34 38
	SALARIES ACCOUNT.		
Dec 30	To Salaries for the year	14,298 27	
Dec. 30	By Salaries Brush Foreman and Assistant		2,086 65
	" Transfering Prisoners from Central St'n		565 00
	Expense of this account		11,646 62
		$ 14,298 27	$ 14,298 27

MAINTENANCE ACCOUNT.

The actual cost of maintaining each inmate of the Institution, including Clothing and Bedding, Shoes, Medical Services and Drugs, Salaries of Officers, Provisions, General Supplies, Fuel and Light, is given as follows:		
Cost per Day		33
" " Week	2	33
" " Month	8	34
" " Year	112	18
Average number maintained during the year—334.09	$37,478	49

INVENTORY OF PROPERTY ON HAND, 1882.

1882						
Dec.	30	Furniture and Fixtures, Workhouse	$4,289	39		
		" " " House of Refuge	1,013	11		
		Clothing and Bedding, " "	2.089	87		
		" " " Workhouse	2,781	36		
		Sundry Supplys "	294	35		
		" " House of Refuge	189	50		
		Shoes " "	238	10		
		" Workhouse	244	98		
		General Implements	1.799	59		
		Brush Stock	21.107	03		
		Brush Shop Tools	4 669	05		
		Provisions	960	95		
		Medicines	23	95		
		Fuel	45	37		
		Engine Oil, Waste, etc	29	80		
		Lumber	176	70		
		Live Stock	1,258	00		
		Shoe Shop Tools	65	78		
					$41,276	88

ABSTRACT OF HOUSE OF REFUGE ACCOUNTS.

			Dr.	Cr.
1882		**FURNITURE AND FIXTURES ACC'T.**		
Jan.	1	To Balance on hand	$ 1,267 74	
Dec.	30	" Purchases during the year	31 01	
Dec.	30	By Balance on hand		$ 1,013 11
		Expense of this account		285 64
			$ 1,298 75	$ 1,298 75
		CLOTHING AND BEDDING ACCT'S.		
Jan.	1	To Balance on hand	2,541 95	
Dec.	30	" Purchases during the year	712 67	
Dec.	30	By Discount on Purchases		83
		" Balance on hand		2,089 87
		Expense of this account		1,163 92
			$ 3,254 62	$ 3,254 62
		SHOE ACCOUNT		
Jan.	1	To Balance on hand	294 50	
Dec.	30	" Purchases during the year	158 69	
Dec.	30	By Balance on hand		238 10
		Expense of this account		215 09
			$ 453 19	$ 453 19
		IMPROVEMENT ACCOUNT.		
Jan.	1	To Balance on hand	6 50	
Dec.	30	" Cost for Improvements	165 67	
Dec.	30	Expense of this account		172 17
			$ 172 17	$ 172 17
		SUNDRY SUPPLIES ACCOUNT.		
Jan.	1	To Balance on hand	300 14	
Dec.	30	" Purchases during the year	163 58	
Dec.	30	By Discount on Purchases		50
		" Balance on hand		189 50
		Expense of this account		273 72
			$ 463 72	$ 463 72

			Dr.	Cr.
1882		BOARDING ACCOUNT.		
Dec.	30	To Board of Refuge Employes	$ 857 56	
Dec.	30	" " " " Inmates	7,090 20	
Dec.	30	By Cuyahoga County Commissioners		$ 5,159 80
		Expenses of this account		2,787 96
			$ 7,947 76	$ 7,947 76
		MEDICAL SERVICES AND SUPPLIES.		
Dec.	30	To Professional services and drugs	170 00	
Dec.	30	Expense of this account		170 00
			$ 170 00	$ 170 00
		SALARIES ACCOUNT.		
Dec.	30	To Salaries for the year	2,097 05	
Dec.	30	Expense of this account		2,097 05
			$ 2,097 05	$ 2,097 05

WORKHOUSE STATISTICTS.

TABLE No. 1.

	Male.	Female.	Total.
Remaining January 1, 1882	252	65	317
Whole number committed during 1882	1,198	260	1,458
Total	1,450	325	1,775
Discharged during 1882	1,236	276	1,512
Total remaining December 31, 1882	214	49	263

TABLE No. 2.

Number Received each Month.

MONTHS.	Male.	Female.	Total.
Remaining January 1, 1882	252	65	317
Received during January, 1882	100	18	118
" " February, 1882	95	12	107
" " March, 1882	112	26	138
" " April, 1882	94	30	124
" " May, 1882	77	9	86
" " June, 1882	88	20	108
" " July, 1882	91	25	116
" " August, 1882	120	30	150
" " September, 1832	119	29	148
" " October, 1882	102	27	129
" " November, 1882	113	15	128
" " December, 1882	87	19	106
Total	1,450	325	1,775
Discharged during 1882	1,236	276	1,512
Remaining December 31, 1882	214	49	263

TABLE No. 3.

Monthly Average of Confinement during the Year.

MONTHS.	Males.	Femles.	Total.
Average during January	239.50	56.60	296,10
" " February	214.62	51.75	266.37
" " March	209.33	43.55	252.88
" " April	201.60	51.68	253.28
" " May	162.85	50.25	213.10
" " June	162.50	46.17	208.67
" " July	154.91	42.70	197.61
" " August	177.51	44.88	222.39
" " September	179.30	51.69	230.99
" " October	182.09	52.41	234.50
" " November	195.40	53.55	248·95
" " December	224.46	43.65	268.11
Monthly attendance for the year	192.00	49.07	241.07

COMPARATIVE STATEMENT

SHOWING DRAFTS ON CITY TREASURY AND DEPOSITS IN SAME SINCE THE OPENING OF THE INSTITUTION.

1871.				
Warrants drawn on City Treasury	$ 35,092	74		
Deposits by Superintendent in City Treasury	1,230	98		
Excess of Warrants			$ 34,661	76
1872.				
Warrants drawn on City Treasury	$ 42,940	50		
Deposits by Superintendent in City Treasury	6,903	83		
Excess of Warrants			$ 36,036	67
1873.				
Warrants drawn on City Treasury	$ 61,413	77		
Deposits by Superintendent in City Treasury	37,690	64		
Excess of Warrants			$ 23,723	13
1874.				
Warrants drawn on City Treasury	$ 65,382	41		
Deposits by Superintendent in City Treasury	51,000	81		
Excess of Warrants			$ 14,381	60
1875.				
Warrants drawn on City Treasury	$ 84,662	04		
Deposits by Superintendent in City Treasury	56,342	94		
Excess of Warrants			$ 28,319	30
1876.				
Warrant drawn on City Treasury	$ 78,343	62		
Deposits by Superintendent in City Treasury	40,192	77		
Excess of Warrants			$ 38,150	85
1877.				
Warrants drawn on City Treasury	$ 80,013	97		
Deposits by Superintendent in City Treasury	82,697	49		
Excess of Deposits			$ 2,683	52

COMPARATIVE STATEMENT—Continued.

SHOWING DRAFTS ON CITY TREASURY AND DEPOSITS IN SAME SINCE THE OPENING OF THE INSTITUTION.

1878.				
Warrants drawn on City Treasury	$132,812	88		
Deposits by Superintendent in City Treasury	92,509	47		
Excess of Warrants			$ 40,303	41
1879.				
Warrants drawn on City Treasury	$ 97,330	73		
Deposits by Superintendent in City Treasury	101,261	91		
Excess of Deposits			$ 3,931	18
1880.				
Warrants drawn on City Treasury	$113,134	31		
Deposits by Superintendent in City Treasury	83,321	68		
Excess of Warrants			$ 29,812	33
1881.				
Warrants drawn on City Treasury	$ 79,053	10		
Deposits by Superintendent in City Treasury	76,402	80		
Excess of Warrants			$ 2,650	39
1882.				
Warrants drawn on City Treasury	$ 93,354	04		
Deposits by Superintendents in City Treasury	109,065	51		
Excess of Deposits			$ 15,710	57

TABLE No. 4.

Discharged each Month during the Year 1882.

MONTHS.	Male.	Female.	Total.
Discharged during January,	131	28	159
" " February	104	20	124
" " March	111	25	136
" " April	123	19	142
" " May	95	26	121
" " June	100	20	120
" " July	83	23	106
" " August	104	26	130
" " September	110	23	133
" " October	104	27	131
" " November	86	22	108
" " December	85	17	102
Total for the year	1,236	276	1,512

TABLE No. 5.

How discharged during the Year.

	Male.	Female	Total.
Labor	634	150	784
Labor and cash	406	93	499
Labor and pardon	11	1	12
Labor, pardon and cash	6	0	6
Labor and escape	5	0	5
Labor and habeas corpus	1	0	1
Expiration	16	1	17
" and costs paid	5	3	8
" fine and costs paid	97	15	112
" labor and cash	2	1	3
" and time allowance for good conduct	5	0	5
Fine and costs paid	30	4	34
Pardoned	11	0	11
" fines and costs paid	9	1	10
Death	3	0	3
Committed through error	1	0	1
Returned to Central Station by order of Police Judge	1	0	1
Total	1,243	269	1,512

TABLE No. 6.

Statement of Account of Fines Collected by Superintendent in City and State Cases for the Year 1882.

MONTHS.	City Cases.	State Cases.	Total.
January	$ 319 63	$ 911 62	$ 1,231 25
February	219 08	1,053 65	1,272 73
March	471 06	258 17	729 23
April	379 60	1,051 23	1,430 83
May	327 46	516 22	843 68
June	185 21	612 66	797 87
July	275 54	229 77	505 31
August	283 50	470 09	753 59
September	521 85	379 66	901 51
October	374 55	471 36	845 91
November	291 00	473 96	764 96
December	354 36	385 14	739 50
Total	$4,002 84	$6,813 53	$10,816 37

TABLE No. 7.

Individual Commitments since openiny of Institution.

	Male.	Female.	Total.
First commitment	820	95	915
Second "	110	25	135
Third "	94	24	118
Fourth "	41	20	61
Fifth "	34	21	55
Sixth "	23	13	36
Seventh "	14	6	20
Eighth "	10	6	16
Ninth "	12	9	21
Tenth "	11	8	19
Eleventh "	7	6	13
Twelfth "	4	4	8
Thirteenth "	4	5	9
Fourteenth "	1	4	5
Fifteenth "	2	3	5
Sixteenth "	1	2	3
Seventeenth "	1	3	4
Eighteenth "	1	1	2
Nineteenth "	1	0	1
Twentieth "	1	0	1
Twenty-first "	1	1	2
" fourth "	1	0	1
" fifth "	1	0	1
" sixth "	1	1	2
" seventh "	1	2	3
" eighth "	1	1	2
Total	1,198	260	1,458

TABLE No. 8.

Color.

	Male.	Female.	Total.
White	1,142	246	1,388
Colored	56	14	70
Total	1,198	260	1.458

TABLE No. 9.

Place of Nativity.

COUNTRY.	Male.	Female.	Total.
United States	581	105	686
Ireland	214	81	295
Germany	133	18	151
England	90	21	111
Canada	69	21	90
Scotland	33	7	40
Bohemia	12	1	13
France	5	0	5
Italy	3	0	3
Poland	3	0	3
Wales	13	4	17
Prussia	10	0	10
Switzerland	9	1	10
Hungary	7	0	7
Austria	2	0	2
Russia	2	0	2
Sweeden	4	0	4
Holland	2	0	2
Nova Scotia	2	0	2
Denmark	2	0	2
Belgium	1	0	1
Australia	1	0	1
West Indies	1	0	1
Total	1,199	259	1,458

TABLE No. 10.

Education.

	Male.	Female.	Total.
Could read and write	1,017	178	1,195
" " only	36	20	56
" neither read nor write	145	62	207
Total	1,198	260	1,458

TABLE No. 11.

Religious Training.

	Male.	Female.	Total.
Catholics	646	126	772
Protestants	545	134	679
Jews	4	0	4
Atheists	2	0	2
Spiritualists	1	0	1
Total	1,198	260	1,458

TABLE No. 12.

Habits of Life.

	Male.	Female.	Total.
Confess themselves intemperate	1,005	226	1,231
Claim to be temperate	194	33	227
Total	1,199	259	1,458

TABLE No. 13.

Social Relation.

	Male.	Female.	Total.
Married	399	184	583
Single	800	75	875
Total	1,199	259	1,458

TABLE No. 14.

Age when Admitted.

	Male.	Female.	Total.
Under twenty	127	20	147
Twenty and under thirty	395	77	472
Thirty " " forty	341	72	413
Forty " " fifty	190	47	237
Fifty " " sixty	103	35	138
Sixty " " seventy	40	8	48
Seventy " " eighty	3	0	3
Totol	1,199	259	1,458

TABLE No. 15.

Committed from the following Courts.

	Male.	Female.	Total.
United States District Court	11	0	11
Common Pleas Court	12	1	13
Justice Court	3	0	3
Probate Court	3	0	3
Police Court	1,167	259	1,426
Mayors of Bedford and Berea	2	0	2
To tal	1,198	260	1,458

TABLE No. 16.

Offenses.

Nature of Offense.	Male.	Female	Total
Adultery	2	1	3
Assault and battery	76	2	78
" " " and intoxication	25	0	25
" " " " destroying property	2	0	2
" " " " indecent exposure of person	1	0	1
" " " " disorderly conduct	2	0	2
" " " " petit larceny	1	0	1
Abuse of family	1	0	1
Breaking into United States postoffice	4	0	4
Carrying concealed weapons	12	0	12
" " " and assault and battery	2	0	2
Cruelty to minor children	2	1	3
" to animals	3	0	3
Common beggar	3	0	3
" prostitute	0	11	11
Contempt of Court	1	0	1
Careless driving	1	0	1
Cruelty to minor children and keeping house of ill-fame	0	1	1
Car breaking in daytime	1	0	1
Destroying property	9	0	9
Disorderly conduct	22	5	27
" " and intoxication	4	0	4
Disturbance	45	10	55
" and intoxication	3	0	3
" " cruelty to children	0	1	1
" " wrongfully taking a horse	1	0	1
Embezzlement	4	0	4
" and violating property ordinance	1	0	1
" of letter from United States postoffice	2	0	2

TABLE No. 16—Continued.

Nature of Offense.	Male.	Female	Total
Escaping from Workhouse	1	0	1
Fornication	1	0	1
Forgery	1	0	1
Grand larceny	1	1	2
Housebreaking in daytime and larceny	2	0	2
Having in possession obscene and indecent papers	1	0	1
Habitual disturber of the peace	2	1	3
Intoxication	622	176	798
" and destroying property	3	3	6
" " petit larceny	9	1	10
" " vagrancy	1	0	1
" " Cruelty to animals	2	0	2
" " Suspicious persons	1	0	1
" " assault and battery and destroying property	1	0	1
Indecent exposure person	7	0	7
" conduct	0	2	2
Keeping house of ill-fame	2	4	6
Larceny and receiving and concealing stolen property	6	0	6
Making false affidavits for pension claims	2	0	2
Neglect of children	0	1	1
Obstructing an officer	4	0	4
Obstructing officer and violating sidewalk ordinance	1	0	1
" " " intoxication	1	0	1
Obtaining goods by false pretenses	2	1	3
" money " " "	7	0	7
Petit larceny	98	14	112
" " and destroying property	3	0	3
" " " carrying concealed weapons	3	0	3
Passing counterfeit money	1	0	1
Practicing tricks and devices with intent to swindle	1	0	1

TABLE No. 16—Continued.

NATURE OF OFFENSE.	Male.	Female	Total
Receiving stolen property	1	0	1
" and concealing stolen property	1	0	1
Residing in house of ill-fame	2	11	13
Suspicious person	9	0	9
" " and petit larceny	1	0	1
Selling intoxicating liquor contrary to law	1	0	1
" " " to minor	3	0	3
Using obscene language	1	0	1
Unlawfully procuring the making out and presenting false affidavits for U. S. pension claims, etc.	1	0	1
Unlawfully using a horse	4	0	4
Vagrancy	82	9	91
Visiting house of ill-fame	6	0	6
Violating property ordinance	14	2	16
" park "	1	0	1
" Bridge "	1	0	1
" fire arms "	1	0	1
" railroad law	42	0	42
" Sunday liquor law	1	1	2
" election " "	2	0	2
" health "	1	0	1
" R. R. law and carrying concealed weapons	2	0	2
" " " " intoxication	1	0	1
" sidewalk ordinance and carrying concealed weapons	3	0	3
Wrongfully taking a horse	1	0	1

TABLE No. 17.

Occupation.

Men.		Men.	
Bakers	13	Calker	1
Blacksmiths	16	Curriers	2
Barbers	12	Cane seater	1
Boiler makers	16	Chair maker	1
Bar tender	1	Core makers	4
Book-keepers	5	Carriage maker	1
Brick layers	10	Cracker baker	1
Butchers	13	Engineers	7
Bridge builder	1	Expressman	1
Bolt makers	4	Editor	1
Brush makers	3	Firemen	27
Boatman	1	Farmers	23
Buffer	1	Farriers	3
Brewers	2	Finishers	3
Bill poster	1	Florists	2
Boot treer	1	Gardeners	6
Bootblacks	2	Grocers	2
Broom maker	1	Glassblowers	2
Brass finishers	4	Hostlers	5
Brakemen	2	Heaters	5
Carpenters	42	Harness maker	1
Cigar makers	10	Hatter	1
Clerks	11	Huckster	1
Coopers	9	House mover	1
Cooks	12	Hack driver	1
Cabinet makers	2	Journalist	1
Chiropodist	1	Jewelers	2
Coachmen	5	Jockey	1
Carpet weaver	1	Laborers	429

TABLE No. 17—Continued.

MEN.		MEN.	
Lawyers	2	Railroaders	7
Last maker	1	Roughers	5
Lathers	5	Refiners	1
Miller	1	Rope makers	1
Millwright	1	Rolling mill hands	2
Mill hands	5	Sailors	60
Machinists	18	Shomakers	26
Moulders	28	Sign painter	1
Masons	10	Spring makers	3
Marble cutter	1	Stone cutters	11
Miners	4	Sawyers	8
Machine hand	1	Sailmaker	1
Nut makers	2	Silverplater	2
Nail feeders	2	Saloon keepers	4
Optician	1	Slaters	3
Occulist	1	Ship carpenters	2
Painters	48	Stewards	4
Printers	6	Steam fitters	1
Physicians	2	Sleight-of-hand performer	1
Photographer	1	Spring polisher	1
Plasterers	6	Shipping clerk	1
Plumbers	6	Stone mason	4
Peddlers	2	Shingler	1
Puddlers	4	Stove mounters	3
Paper hangers	4	Salesmen	3
Polishers	4	Tanner	1
Priests	3	Tinsmiths	7
Press feeder	1	Teamsters	16
Pop peddler	1	Traveler	1
Quarrymen	8	Tailors	7

TABLE No. 17—Continued.

MEN.		MEN.	
Trunkmaker	1	Waiters	6
Tugman	1	Whitewashers	3
Umbrella maker	1	Weaver	1
Upholsterers	2	Wire drawer	1
Varnishers	4	Wagon makers	2
Veterinary surgeon	1	Wood turner	1
Total number of Men			1,199

WOMEN.		WOMEN.	
Cooks	6	Musician	1
Dressmakers	6	Pastry cook	1
Houseworkers	228	Seamstresses	3
Hatter	2	Tailoresses	3
Laundress	8	Waiter	1
Total number of Women			259

RECAPITULATION.

Total number of Men	1,199
Total number of Women	259
Total number of Men and Women	1,458

HOUSE OF REFUGE STATISTICS.

TABLE No. 1.

	Male.	Female.	Total.
Remaining January 1, 1882	81	20	167
Whole number committed during 1882	62	4	66
Total	143	24	167
Discharged during 1882	64	8	72
Total remaining December 31, 1882	79	16	95

TABLE No. 2.

Number Received each Month.

MONTHS.	Male.	Female.	Total.
Remaining January 1, 1882	81	20	101
Received during January, 1882	6	0	6
" " February, 1882	5	0	5
" " March, 1882	4	1	5
" " April, 1882	3	0	3
" " May, 1882	1	0	1
" " June, 1882	7	0	7
" " July, 1882	3	0	3
" " August, 1882	4	2	6
" " September, 1882	9	1	10
" " October, 1882	5	0	5
" " November, 1882	7	0	7
" " December, 1882	8	0	8
Total	143	24	167
Discharged during 1882	64	8	72
Remaining December 31, 1882	79	16	95

TABLE No. 3.

Discharged Each Month during the Year 1882.

MONTHS.	Male.	Female.	Total.
Discharged during January	4	0	4
" " February	9	3	12
" " March	6	2	8
" April	5	0	5
" " May	0	0	0
" " June	14	2	16
" " July	0	0	0
" " August	0	0	0
" " September	14	1	15
" " October	2	0	2
" " November	2	0	2
" " December	8	0	8
Total	64	8	72

TABLE No. 4.

Monthly Average in Confinement during the Year.

Months.	Male.	Female.	Total.
Average during January, 1882	80 90	20 00	100 90
" " February, 1882	74 20	16 60	90 80
" " March, 1882	78 73	21 90	100 63
" " April, 1882	78 93	17 06	95 99
" " May, 1882	77 00	16 53	93 53
" " June, 1882	69 36	14 30	83 66
" " July, 1882	70 50	14 46	84 96
" " August, 1882	75 03	15 63	90 66
" " September, 1882	75 13	16 06	91 19
" " October, 1882	73 96	16 53	90 49
" " November, 1882	76 43	16 00	92 43
" " December, 1882	84 53	16 60	101 13
Monthly attendance for the year	76 22	16 80	93 02

TABLE No. 5.

Committed from the following Courts.

	Boys.	Girls.	Total.
Police Court	58	4	62
Probate Court	1	0	1
Justices of the Peace	3	0	3
Total	62	4	66

TABLE No. 6.

Discharged during the Year.

	Boys.	Girls.	Total.
Received honor	19	9	28
Pardoned	30	1	31
Escaped	10	0	10
Died	2	0	2
Admitted to bail	1	0	1
Total	62	10	72

TABLE No. 7.

Crimes and Offenses.

	Boys.	Girls.	Total
Wrongfully taking and using a horse	2	0	2
Incorrigible conduct	24	1	25
Petit larceny	15	0	15
Forgery	1	0	1
Common beggar	0	1	1
Disposing of obscene liturature	1	0	1
Vagrancy	7	0	7
Disorderly conduct	1	1	2
Car breaking in daytime	2	0	2
Burglary and larceny	1	0	1
Assault and battery	0	1	1
Destroying property	2	0	2
Housebreaking and larceny	1	0	1
Cutting with intent to wound	2	0	2
Grand larceny and receiving and concealing stolen property	1	0	1
Grand larceny	1	0	1
Intoxication	1	0	1
Total	62	4	66

TABLE No. 8.

Color.

	Boys.	Girls.	Total.
White	60	4	64
Colored	2	0	2
Total	62	4	66

TABLE No. 9.

Place of Nativity.

COUNTRY.	Boys.	Girls.	Total.
United States	47	3	50
England	4	0	4
Germany	6	0	6
Ireland	3	1	4
Canada	2	0	2
Total	62	4	66

TABLE No. 10.

Religious Training.

	Boys.	Girls.	Total.
Protestants	34	3	37
Catholics	27	1	28
Jews	1	0	1
Total	62	4	66

TABLE No. 11.

Education.

	Boys.	Girls.	Total.
Could read and write	43	4	47
" " only	6	0	6
" neither read nor write	13	0	13
Total	62	4	66

TABLE No. 12.
Social Relation.

	Boys.	Girls.	Total.
Having both parents	31	0	31
" one parent only	22	3	25
Orphans	9	1	10
Total	62	4	66

TABLE No. 13.
Age when Admitted.

	Boys.	Girls.	Total.
Under ten	5	0	5
Ten and under twelve	12	0	12
Twelve " " fifteen	26	3	29
Fifteen " " Eighteen	19	1	20
Total	62	4	66

June 21, 1880	"	13	Suspicious person	30 days	50 00	8 95	58 95
April 17, 1875	"	12	"	1 year			
April 5, 1876	"	13	"	60 days			
January 28, 1879	"	14	"	30 "	25 00	40	25 40
July 22, 1879	"	15	Assault and battery	6 months		1 91	1 91
			Intoxication	6 "		80	80
September 22, 1880	"	16	Intoxication	[illegible]	[illegible]	[illegible]	[illegible]

January 9, 1876	"	10	Intoxication	30	"			
[illegible]	"	11	[illegible]	30	"	10 00	1 25	11 25
May 19, 1882	"	12	Intoxication			12 00	90	12 90
July 18, 1882	"	13	"	60	"	20 00	90	20 90
December 6, 1882	"	14	Petit larceny	20	"	10 00	5 21	15 21

				30	"	15 00	3 65	18 65
						5 00	3 50	8 50
November 24, 1881	"	8	"			10 00	90	10 90

[illegible]	[illegible]	[illegible]	[illegible]	30	"	15 00	3 65	18 65
November 24, 1881	"	8	"			5 00	3 50	8 50
March 22, 1882	"	9	"			10 00	90	10 90
May 25, 1882	"	10	"			5 00	3 50	3 50
January 19, 1876	V	1	Petit larceny	30	"	10 00	2 50	12 50
May 15, 1876	"	2	"	30	"	50 00	2 91	52 91
November 25, 1876	"	3	"	30	"	200 00	6 91	206 91
May 10, 1879	"	4	"	30	"	40 00	1 91	41 91
July 16, 1880	"	5	"	30	"	50 00	7 91	57 91
June 1, 1881	"	6	Intoxication			3 00	90	3 90
July 6, 1881	"	7	Petit larceny	30	"	5 00	7 12	12 12
April 10, 1881	"	8	Intoxication	30	"	20 00	90	20 90
December 25, 1875	W	1	Intoxication	20	"			
April 30, 1879	"	2	Obtaining money under false pretense	10	"		4 16	4 16
December 10, 1879	"	3	Intoxication	30	"	25 00	40	25 40
July 24, 1880	"	4	Vagrancy	30	"	50 00	80	50 80
December 9, 1881	"	5	ntoxication			5 00	90	5 90
September 25, 1882	"	6	"	30	"	10 00	90	10 90
December 27, 1882	"	7	"	30	"	25 00	90	25 90
January 7, 1881	X	1	Intoxication	30	"	5 00	3 00	8 00
January 24, 1882	"	2	"			5 00	90	5 90
April 11, 1882	"	3	Vagrancy	30	"	20 00	5 60	25 60
September 18, 1882	"	4	Intoxication	30	"	10 00	90	10 90
January 5, 1883	"	5	Vagrancy	30	"	10 00	90	10 90

				80	"	50 00	80	50 80
May 1, 1878	"	17	Common prostitute	30	"	20 00	40	90 40
		18	Intoxication			5 00	90	5 90

May 1, 1878	"	17	Common prostitute	30 "	50 00	80	50 80
March 19, 1879	"	18	Intoxication	30 "	20 00	40	20 40
August 9, 1881	"	20	"		5 00	90	5 90
March 24, 1882	"	21	"	30 "	25 00	90	25 90
April 5, 1871	E	1	Intoxication	30 "			
September 8, 1871	"	2	"	60 "			
November 22, 1871	"	3	"	3 months.			
February 24, 1872	"	4	"	90 days			
August 27, 1872	"	5	"	30 "	5 00	40	5 40
October 30, 1873	"	6	"	4 months.			
March 17, 1873	"	7	"	3 "	10 00	40	10 40
August 21, 1373	"	8	"	60 days	3 00	40	3 40
March 17, 1874	"	9	"		5 00	40	5 40
May 29, 1874	"	10	"	30 "	5 00	40	5 40
August 3, 1874	"	11	"	60 "			
November 19, 1874	"	12	"		5 00	1 91	6 91
March 10, 1875	"	13	"	30 "			
May 13, 1876	"	14	"	30 "	25 00	40	25 40
December, 22, 1876	"	15	"	1 year			
May 20, 1879	"	17	"	90 days			
January 1, 1880	"	18	"		10 00	40	10 40
September 13, 1880	"	19	"	30 "	25 00	40	25 40
April 1, 1882	"	19	"	30 "	20 00	90	20 90
September 16, 1882	"	20	"		5 00	90	5 90
November 17, 1882	"	21	"	30 "	25 00	90	25 90

80 5 00 80 5 80

				30	"	5 00	80	5 80
January 14, 1876	"	3	Intoxication	60	"	25 00	40	25 40
April 12, 1877	"	4	Petit larceny	30	"	50 00	1 91	51 91
November 19, 1878	"	5	Disorderly conduct			20 00	40	20 40
May 13, 1879	"	6	Residing in house of ill-fame			10 00	40	10 40
December 29, 1879	"	7	Disturbance			10 00	40	10 40
February 17, 1880	"	8	Disorderly conduct			5 00	40	5 40
June 26, 1880	"	9	Common prostitute	30	"	25 00	80	25 80
October 6, 1880	"	10	" "	30	"	25 00	80	25 80
March 12, 1881	"	11	" "	60	"	50 00	6 20	56 20
January 4, 1882	"	12	" "	30	"	25 00	4 80	29 80
August 12, 1882	"	13	" "	30	"	50 00	4 65	54 65
July 28, 1871	M	1	Residing in house of ill-fame			10 00	80	10 80
October 9, 1872	"	2	Intoxication	30	"			
August 4, 1874	"	3	Assault and battery			10 00	1 74	11 74
August 11, 1876	"	4	Intoxication	20	"			
November 1, 1876	"	5	Indecent conduct	30	"	20 00	40	20 40
June 8, 1877	"	6	Intoxication			25 00	40	25 40
October 26, 1877	"	7	"	30	"	20 00	40	20 40
December 8, 1879	"	8	"	90	"	25 00	3 05	28 05
April 23, 1879	"	9	Common prostitute	30	"			
June 15, 1881	"	10	Intoxication	30	"	20 00	4 15	24 15
June 14, 1882	"	11	"	30	"		90	90
July 25, 1882	"	12	"			10 00	7 42	17 42
November 25, 1882	"	13	"					

TABLE No. 12.

Social Relation.

	Boys.	Girls.	Total.
Having both parents	31	0	31
" one parent only	22	3	25
Orphans	9	1	10
Total	62	4	66

TABLE No. 13.

Age when Admitted.

	Boys.	Girls.	Total.
Under ten	5	0	5
Ten and under twelve	12	0	12
Twelve " " fifteen	26	3	29
Fifteen " " Eighteen	19	1	20
Total	62	4	66

June 21, 1880	"	13	Suspicious person	30 days	50 00	8 95	58 95
April 17, 1875	"	12	"	1 year			
April 5, 1876	"	13	"	60 days			
January 28, 1879	"	14	"	30 "	25 00	40	25 40
July 22, 1879	"	15	Assault and battery	6 months		1 91	1 91
			Intoxication	6 "		80	80
September 22, 1880	"	16	Intoxication	[illegible]	[illegible]	[illegible]	[illegible]

HOSPITAL DEPARTMENT.

HOSPITAL DEPARTMENT.

CLEVELAND, January 1, 1883.

To the Honorable Board of Directors of the Workhouse, and House of Refuge and Correction:

GENTLEMEN:—In making my first report to you, it is proper that I call your attention to the number and condition of the sick in the Institution at the beginning of my service.

My first visit was on the 21st day of December, 1881. In the Refuge there were two sick with typhoid fever—Charles Keifer, *in extremis*, dying in less than twenty-four hours; the other, Charles Barge, was ordered to bed and removed to Hospital the following day. Died January 8th, 1882.

In the Hospital there were three inmates—James Funchon, with typhoid fever: case ended in recovery. Daniel Daugherty, with erysipelas of head and face; ending in recovery with loss of eyesight. Frank Strieve, in Hospital from October 6th with typhoid fever, having profuse involuntary discharges from the bowels, extreme emaciation, and beyond hope of recovery; died January 8th, 1882. I need not detail the cases of those ill with chronic diseases, as all terminated in either decided improvement or complete recovery.

Of those becoming ill after my service began, three have died: In the Refuge George Crabbe, on February 4th, of perforation of the bowels from ulceration of one of the solitary glands. In the Workhouse Benjamin Smith (colored), of epilepsy, on February 21st; John Gove, on March 10th, of strangulated hernia. He was insane and violent, so that a correct diagnosis was not made in time to save the patient. Since then no deaths have occurred, and at this time none are dangerously ill.

From the 21st of December, 1881, to January 1, 1883, I have made 250 visits, have treated males 650, females 120 in all 770, and have made 2,045 prescriptions. Comparing these items with those of former reports from the Institution, it *appears* that the number treated has diminished in much greater proportion than the number of prescriptions.

This arises from the fact that in former reports the name of a person, when continued from page to page of the record, though treated for the same disease, is counted each time as a separate individual. In this report the name of a person is counted but once while under treatment for the same disease.

It is evident that *statistics* based on the former method of counting are utterly valueless, while the sanitary condition of the Institution is made to appear in the most unfavorable light.

The *expense* of the medical department this year is less than in any year since 1874. In June and July, land scurvy or purpura in its various forms — simple, rheumatic, and hemorrhagic, appeared among the men and boys; some twenty cases in all. Addition of fresh vegetables to the dietary promoted their recovery, and prevented the further spread of the disease.

The sanitary measures instituted during the year, have been attended with marked benefits. Removing the boys'

dining hall from the corridor of the prison to a well-lighted, well-ventilated room, together with a somewhat changed dietary, has greatly improved their physical condition. The removal of the water-soaked ill-smelling floor from the water closet, and placing therein an impermeable floor, and walls, has taken from their midst a prolific cause of debility and disease. The records show a great diminution of medical attendance since the adoption of these measures.

Improved ventilation in the men's department, as suggested by my predecessor, has somewhat lessened the unpleasant conditions necessarily connected with prisons.

The plumbing throughout the Institution has been thoroughly examined by an expert, and found to be in perfect condition.

These, together with the scrupulous neatness and unceasing care exercised by the officials in charge, render the sanitary condition as good as can be with the present construction of the prison.

The problem of prison building to secure the best sanitary conditions, and the requisite safety, is not yet satisfactorily solved.

The food has been of excellent quality, and of sufficient variety, with the exception above mentioned, to maintain a good degree of physical vigor among the prisoners.

The small amount of sickness in the female department is owing to reduced numbers, and to the watchfulness and judicious care of the principal matron, and her assistants.

Three classes of persons occasionally are sentenced to the Workhouse, who should find refuge in institutions of more charitable design; I refer to the epileptic, the insane, and vagrants that are such by reason of disease.

I believe that long *time* sentences for the chronic inebriate would insure to *his* benefit as well as that of the State.

I desire to express my gratitude to the Board and Super-

intendent for their prompt and hearty co-operation in matters pertaining to this department, and acknowledge, with pleasure, the uniform courtesy and efficient aid of all of the officials. Especial mention should be made of the valuable services of the Deputy Superintendent in connection with the care of the sick.

Respectfully submitted,

P. H. SAWYER.

Physician in Charge.

ANNUAL REPORT

OF THE

BOARD

OF

INFIRMARY DIRECTORS

OF THE

CITY OF CLEVELAND,

FOR THE YEAR ENDING DECEMBER 31, 1882.

To the Honorable City Council:

GENTLEMEN:—We herewith respectfully submit the Annual Report of the Infirmary Department for the year ending December 31, 1882.

DIRECTORS' REPORT.

Total number of applicants received in 1881	1474
" " " " " " 1882	1580
Increase in 1882	106
Total number admitted at Infirmary in 1881	461
" " " " " " 1882	595
Increase in 1882	134
Total number of applicants relieved by out door relief in 1881	1013
" " " " " " " " " " 1882	985
Decrease in 1882	28

OUT DOOR RELIEF DISBURSED IN 1882.

Flour	117,862
Corn meal	8,912
Beans	3,438
Tea	1,221
Coffee	2,974
Rice	4,715
Oatmeal	6,466
Sugar	8.377
Peas	2,105
Soap	4,660
Barley	3,043
Potatoes	3,096

Number of meat orders	275
" " pairs of shoes	170
" " tons of coal	1,460
" " railway passes	1,069
" " burials	135

WORK SYSTEM.

Total number of work orders issued	210
" " " " " returned approved	146
" " " " " issued and not returned	64
" " " d ys worked	297¾
Amount earned paid in coal and groceries	$297 30

INFIRMARY FUND.

RECEIPTS.

Cash on hand Jan. 1, 1882,	$ 2,290 59
Received from taxes	15,741 54
" " county	18,113 34
" " City Clerk	5,286 00
" at Infirmary office	4,321 99
Total	$45,753 46

DISBURSEMENTS.

Ordinary expense at City Infirmary	$22,716 21
Permanent improvements at Infirmary	1,448 70
Ordinary expense, out door relief	15,626 02
Balance on hand January 1, 1883	5,962 53
Total	$45,753 46

RESOURCES.

Amount due from Cuyahoga county September 30, 1882	$ 2,713 52
" " " " " December 31, 1882	2,480 73
" " " townships. etc., " " "	1,301 36
Total	6,495 61

TABLE SHOWING THE NUMBER OF APPLICANTS HAVING RECEIVED OUT DOOR RELIEF, THEIR NATIVITY, AND THE WARDS IN WHICH THEY RESIDE.

NATIVITY.	WARDS.																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Total
United States	38	10	5	23	26	12	15	13	11	16	18	5	2	3	2	3	2	5	209
England	14	1	2	5	6	5	3	7	2	8	2	4	3	1	1	2	1	5	72
Germany	29	3	.....	25	22	35	17	4	6	8	25	36	27	9	13	2	3	2	266
Ireland	28	10	8	17	40	12	23	78	17	4	10	5	11	.....	4	2	3	22	294
Canada	4	6	2	2	4	1	1	4	.....	.....	1	1	1	.....	.....	.....	.....	...	27
Scotland	....	.....	1	.....	3	2	.....	2	1	.....	....	.....	.....	.....	.....	.....	.....	2	11
Wales	1	....	....	1	.....	2	.....	1	.....	.....	.....	1	.....	.....	1	.....	.....	2	9
Bohemia	4	...	....	.....	1	20	.....	.....	.....	.....	1	7	1	11	.....	2	.....	.....	47
Russia	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
Hungary	6	...	.....	.....	.....	.....	.....	1	.....	.....	1	1	.....	.....	.....	...	.....	.....	9
All others	4	.....	.....	4	4	4	3	2	3	2	2	.....	2	2	.....	.....	.....	.....	32
Total	137	30	18	77	106	93	62	112	40	38	60	60	47	26	21	11	9	38	985

Total number of applicants for out door relief ..... 2016.

Respectfully submitted,

L. S. O'NEIL, *Clerk.*

REPORT OF CITY INFIRMARY.

	Males.	Females	Total
Number inmates remaining Dec. 31, 1881	175	146	321
" admitted during the year	345	239	584
" born " " "	5	6	11
Total	525	391	916

	Males.	Females.	Total.
Number discharged during the year	312	159	471
" deaths " " "	54	47	101
" remaining December 31, 1882.	159	185	344
Total	525	391	916

	Males.	Females	Total.
Number of insane Dec. 31, 1882	69	82	151
" " " " " 1881	62	84	146
Increase			5

NATIVITY OF THOSE ADMITTED.

United States	177
Germany	134
Ireland	146
England	55
Wales	5
Scotland	11

Canada	16
Bohemia	19
All others	32
Total	595

OCCUPATION OF THOSE ADMITTED.

Mechanics	269
Laborers	125
Servants	96
Without definite occupation	105

PRODUCE OF FARM.

Wheat	915	bushels,	$1.00	per	bushel.
Oats	387	"	40	"	"
Corn	1700	" (ear)	55	"	"
Potatoes	2160	"	65	"	"
Mangel wurtzels	90	"	40	"	"
Beets	106	"	40	"	"
Carrots	285	"	40	"	"
Turnips	479	"	40	"	"
Rutabagas	277	"	40	"	"
Onions	134	"	1 00	"	"
Cabbage	927	head,	03	per	head.
Value of produce					$4,475 00

Respectfully submitted,

J. BLUIM, *Storekeeper.*

HOSPITAL DEPARTMENT.

	Males	Females	Total
Number remaining January 1, 1882	42	27	69
" admitted during the year	241	155	396
" of births " " "	7	9	16
Total	290	191	481

	Males	Females	Total
Number discharged during the year	206	127	333
" deaths in hospital	37	30	67
" remaining in hospital Jan. 1, 1881	47	34	81
Totals	290	191	481

DEATHS IN INSANE DEPARTMENT.

Male	7
Female	10
Total	17

CAUSES OF DEATH.

Syphilis	3
Inflammation of bladder	1
" " brain	3
Cancer	6
Consumption	23
Stricture of rectum	1
Chronic diarrhœa	3

Enteritis	2
Paralysis	2
Supurative arthritis	1
Hepatitis	1
Bronca. pneumonia	3
Dropsy	2
Epilepsy	4
Heart disease	5
Injury (brain)	1
General debility	7
Diphtheria	3
Stillborn	1
Apoplexy	3
Cholera infantum	3
Pneumonia	1
Gastra. Enteritis	1
Pleura-pneumonia	1
Bright's disease	1
Fracture of hip	1
Spinal meningitis	1
Total	84

Respectfully submitted,

B. W. HOLLIDAY, *Physician.*

SALARIES OF OFFICERS AND EMPLOYES.

OFFICERS.

One Superintendent, per year	$ 1,000
One Clerk, per year	1,100
" Physician, per year	1,000
" Steward, per year	800
" Matron, per year	350

EMPLOYES.

One Messenger, per month	$ 50 00
" Messenger, " "	50 00
" Messenger, " "	50 00
" Coal weigher " "	50 00
" Baker, " "	35 00
" Engineer, " "	30 00
" Farmer, " "	28 00
" Insane nurse " "	33 00
" " " " "	18 00
Three " " " " each	13 00
One Hospital nurse " "	25 00
" " " " "	15 00
" " " " "	10 00
" Teamster, " "	10 00
" Seamstress, " "	17 67
" Cook, " "	13 00
" Laundress, " "	10 00

Two of the messengers were taken on in November, and the coal weigher in December, to be retained only during the winter months. The salary of the Clerk was reduced in November to $1,000.

Respectfully submitted,

W. H. PRICE,
WM. CUBBON,
P. HIGGINS.
Board of Infirmary Directors.

ANNUAL REPORT

OF THE

BOARD

OF

Cemetery Trustees,

TO THE

CITY COUNCIL

FOR THE YEAR ENDING DECEMBER 31st, 1882.

TRUSTEES:

JACOB MEYER, President. O. C. SCOVILL Treasurer.
W. T. DIXON.

L. W. BAILEY, Secretary.

SUPERINTENDENTS OF CEMETERIES.

WOODLAND:

S. F. DRAKE.

ERIE STREET:

E. M. BISHOP, SR.

MONROE STREET:

VALENTINE WORTH.

HARVARD GROVE:

JAMES McGUFFEY.

GENERAL CLERK OF CITY CEMETERIES:

G. E. WHEELER,

With office at Woodland.

CLEVELAND, O., January 1st, 1883.

To the Honorable City Council of Cleveland, O:

GENTLEMEN:—I have the honor to herewith present your Honorable Body with the Annual Report of this Board for the year ending December 31st, 1882.

Respectfully yours,

L. W. BAILEY,

Secretary.

REPORT OF CEMETERY TRUSTEES.

CLEVELAND, O., January 1st, 1883.

To the Honorable City Council:

GENTLEMEN: — The undersigned Trustees of the City Cemeteries, respectfully submit herewith our annual report for the year 1882, of the business transacted by us, in the management and control of the several cemeteries.

The term of trustee Gustavus A. Hyde expired in April last, and at the municipal election on the first Monday in April, Mr. W. T. Dixon was elected for three years. At the first meeting of the Board after said election, the following organization was perfected, trustee W. T. Dixon having qualified took his seat.

Jacob Meyer was made president, O. C. Scovill was made treasurer, and L. W. Bailey, Secretary.

It has been the policy of the Board to conduct all matters connected with the several cemeteries with economy, which will appear upon perusal of the various tabulated statements.

Improvements have been made during the year to the amount of $14,241.85, and distributed as follows:

Woodland Cemetery has been improved to the amount of $1,791.33, in the erection of a tool and hearse house, the lay-

ing out of a large portion of the unoccupied grounds, and enlarging and fitting up the dwellings of the officers.

Erie Street Cemetery has been improved to the extent of $4,179.41, in the erection of a chapel and receiving vault. (using the material from the old vault taken from Woodland) and in building an addition to the office.

Monroe Street Cemetery has received improvements to the amount of $516.43 in building new fence along the south side of the grounds and in adding shrubbery. The side hill portion of this cemetery was sold during the year through the legislation of your honorable body, to the New York, St. Louis and Chicago Railroad Co., for the sum of $5,700.00.

Harvard Grove Cemetery has been improved at an outlay of $7,754.68, in the completion of a house for the superintendent commenced last year; in the removal of the vault from the old grounds to the new, and in planting trees, also in the erection of a fence. All of the foregoing improvements were an absolute necessity to accommodate the increased amount of business being done at the cemeteries, and to improve the looks at the same time, thereby tending to show strangers, as well as our citizens that the City of Cleveland is not forgetful of its duty in the care of the final resting place of its dead.

It has not come to our knowledge that any grave in the cemeteries under our control has been robbed during the past year.

The Board take this opportunity to return thanks to all officers and others connected with us in the management and control of the several cemeteries, for the efficient manner in which they have performed the duties assigned them.

Following this are the tabulated statements prepared by the Secretary, showing the amount of business done, also

the receipts and disbursements for the several cemeteries under control of this Board during the year, all of which we respectfully submit.

JACOB MEYER,
O. C. SCOVILL,
W. T. DIXON,
Cemetery Trustees.

L. W. BAILEY,
Secretary.

The interments during the year have been as follows:

CEMETERIES.	ADULTS.		MINORS.		GRAND TOTAL.
	Male	Female	Male	Female	
Woodland Avenue	301	236	289	233	1,059
Erie Street	37	37	81	64	219
Monroe Street	82	75	143	125	425
Harvard Street	31	21	50	52	154
Total	451	369	563	474	1,857

The lots and grave spaces sold in the city cemeteries for the year, were as follows:

CEMETERIES	No. Sold.	Amount.	Cash.	Credit.
Woodland Avenue	472	$11,819 38	$ 7,623 94	$ 4,195 44
Erie Street	109	360 00	341 00	19 00
Monroe Street	10	*6,623 00	6,198 00	425 00
Harvard Grove	100	480 50	374 50	106 00
Total	691	$19,282 88	$14,537 44	$4,745 44

* $5,700.00 of this amount was for the sale of a portion of this cemetery to the N. Y. C. & St. L. R. R. Co.

WOODLAND CEMETERY RECEIPTS.

From what Source Received.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces	$ 797 50	$ 766 50	$1,011 50	$1,189 00	$1,309 80	$ 875 00	$1,480 00	$ 617 50	$1,133 44	$1,794 80	$ 758 00	$ 788 00
Services and vault fees	394 81	415 75	483 41	709 26	846 07	1,128 60	616 38	573 92	690 09	671 43	374 58	251 80
Total receipts	$1,192 31	$1,182 25	$1,494 91	$1,848 26	$2,155 87	$2,003 60	$2,096 38	$1,191 42	$1,823 53	$2,556 23	$1,132 58	$ 989 80

WOODLAND CEMETERY EXPENDITURE.

For what Purpose Expended.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Pay-roll	$ 335 20	$ 323 20	$ 315 25	$ 513 68	$ 716 23	$ 826 59	$ 709 00	$ 709 13	$ 700 52	$ 568 82	$ 397 95	$ 322 47
Current expenses	264 46	143 15	95 00	139 02	228 71	207 65	151 16	221 75	242 87	209 18	111 56	30 48
Improvements	299 68	.....	.....	228 30	.....	.....	150 00	115 60	.....	173 00	623 00	201 75
Total expenses	$ 899 34	$ 466 35	$ 440 25	$ 881 00	$ 933 94	$1,034 25	$1,010 16	$1,046 48	$ 943 39	$ 951 00	$1,132 51	554 70

ERIE STREET CEMETERY RECEIPTS.

From what Source Received.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces	$ 10 00	$ 25 50	$ 18 50	$ 28 50	$ 39 90	$ 21 00	$ 25 00	$ 47 50	$ 41 10	$ 16 00	$ 33 50	$ 47 00
Services and vault fees	124 89	95 80	124 00	99 50	165 95	134 88	64 25	79 50	70 75	80 50	108 75	73 50
Total receipts	$134 89	$120 80	$142 50	$128 00	$205 85	$155 88	$89 25	$127 00	$111 85	$96 50	$ 142 25	$120 50

ERIE STREET CEMETERY EXPENDITURES.

For what Purpose Expended.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Pay-roll	$ 95 00	$ 100 00	$ 114 37	$ 142 88	$ 186 15	$ 188 03	$ 179 23	$ 179 28	$ 150 53	$ 177 13	$ 165 03	$ 118 83
Current expenses	54 82	25 88	28 50	40 15	10 00	19 63	17 76	19 05	32 40	9 43	9 35	4 50
Improvements	.....	.....	.....	.....	.....	.....	100 00	861 16	680 54	1,067 56	1,434 10	36 05
Total expenses	$149 82	$125 88	$142 87	$182 98	$196 15	$207 60	$296 99	$1,059 49	$863 47	$1,254 12	$1,608 48	$159 38

MONROE STREET CEMETERY RECEIPTS.

From what Source Received.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces.....	$209 50	$ 75 50	$ 98 50	$6,053 00	$111 00	$152 00	$105 50	$169 50	$ 83 50	$ 95 50	$161 50	$118 50
Services and vault fees.....	90 25	128 50	236 50	236 90	223 50	170 00	202 00	205 30	134 00	203 00	152 50	90 75
Total receipts.	$299 75	$204 00	$335 00	$6,289 90	$334 50	$322 00	$307 50	$374 80	$217 50	$298 50	$314 00	$209 25

MONROE STREET CEMETERY EXPENDITURES.

For what Purpose Expended.	January.	February.	March.	April.	May.	June	July.	August.	September.	October.	November.	December.
Pay-roll.....	$219 25	$195 75	$220 50	$280 81	$396 51	$404 76	$365 43	$368 02	$366 50	$383 49	$234 07	$230 95
Current expenses...	47 60	1 35	24 82	171 58	50 00	23 40	40 80	.....	28 60	39 44	47 00	63 30
Improvements.....	.....	.....	.....	107 25	.....	409 18	.....	.....	.....	.....	.....	.....
Total expenses..	$257 85	$197 10	$245 32	$559 64	$446 51	$837 34	$406 23	$368 02	$395 10	$422 93	$281 07	$294 25

HARVARD GROVE CEMETERY RECEIPTS.

From what Source Received.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Sale of lots and grave spaces	$ 44 50	$ 40 00	$ 10 00	$ 26 00	$ 34 00	$47 50	$ 64 00	$29 50	$ 86 00	$ 68 50	$ 51 50	$ 50 50
Services and vault fees	35 50	29 50	62 50	120 00	81 50	64 00	35 00	47 50	59 75		50 00	58 50
Total	$80 00	$69 50	$ 72 50	$ 146 00	$115 50	$111 50	$99 00	$77 00	$145 75	$ 113 00	$101 50	$109 00

HARVARD GROVE CEMETERY EXPENDITURES.

For what Purpose Expended.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Pay-roll	$ 52 00	$ 52 00	$ 157 25	$ 88 00	$ 65 00	$ 66 50	$ 65 00	$ 65 00	$ 75 50	$ 69 00	$ 69 00	$ 65 00
Current expenses	.....	.....	1 50	.....	9 40	8 65	9 45	1 50	8 25	.....	2 00	4 70
Improvements	$1,980 71	148 87	.....	$2,034 75	408 25	1,286 55	575 70	661 53	556 33	.....	101 90	.....
Total expenses	$2,082 71	$200 87	$158 75	$2,122 75	$482 65	$1,356 70	$650 15	$728 03	$635 08	$69 00	$172 90	$69 70

RECAPITULATION.

Cemeteries and Sundries.	Receipts.	Expenses	Excess.	Deficit.
Woodland avenue	$19,667 14	$10,299 37	$9,367 77	.....
Erie street	1,575 27	6,247 29	.....	4,672 02
Monroe street	9,506 70	4,711 36	4,795 34	.....
Harvard Grove	1,240 25	8,679 38	.....	7,439 13
Interest on deposits	27 61	.....	27 61	.....
Amount paid for general bills	.....	708 97	.....	708 97
Total	$32,016 97	$30,646 37	$14,190 72	$12,820 12

Receipts from all sources		$32,016 97
Total amount expended		30,646 37
Excess of receipts over expenses		$1,370 60
Total excess	$14,190 72	
Total deficit	12,820 12	
Net excess for 1882		$1,370 60

GROSS RECEIPTS OF THE SEVERAL CEMETERIES FOR THE YEARS 1878, 1879, 1880, 1881, AND 1882.

Year.	Woodland Avenue	Erie Street.	Monroe Street.	Harvard Grove.
1878	$ 8,622 49	$1,039 13	$ 3,150 48	$ 831 75
1879	9,998 51	1,223 69	3,184 00	459 50
1880	15,550 18	1,427 60	2,957 10	448 25
1881	17,559 55	1,528 48	3,769 75	7,368 00
1882	19,667 14	1,575 27	*9,506 70	1,240 00
Total	$71,397 87	$6,794 17	$22,568 03	$9,847 75

* $5,700 of this amount was received of the New York, Chicago & St. Louis Railroad Company for the sale of a portion of this cemetery.

TREASURER'S SUMMARY.

Amount on hand January 1, 1882			$4,723 70
Received from sale of lots and grave spaces:			
Woodland Avenue Cemetery	$12,421 04		
Erie Street Cemetery	353 50		
Monroe Street Cemetery	7,433 50		
Harvard Grove Cemetery	552 00		
Total		$20,760 04	
Received for services:			
Woodland Avenue Cemetery	$6,183 43		
Erie Street Cemetery	1,041 14		
Monroe Street Cemetery	1,825 70		
Harvard Grove Cemetery	636 00		
Total		9,686 27	
Received for vault fees:			
Woodland Avenue Cemetery	$1,062 67		
Erie Street Cemetery	180 63		
Monroe Street Cemetery	247 50		
Harvard Grove Cemetery	52 25		
Total		1,543 05	
Received interest on deposits		27 61	
Total receipts			32,016 97
Grand total			$36,740 67
Amount paid—pay-roll and current expenses:			
Woodland Avenue Cemetery	$8,508 04		
Erie Street Cemetery	2,067 88		
Monroe Street Cemetery	4,194 93		
Harvard Grove Cemetery	924 70		
Total		$15,695 55	
Amounts paid for improvements:			
Woodland Avenue Cemetery	$1,791 33		
Erie Street Cemetery	4,179 41		
Monroe Street Cemetery	516 43		
Harvard Grove Cemetery	7,754 68		
Total		14,241 85	
Amount paid for general bills		708 97	
Total expended			$30,646 37
Balance to credit of fund, January 1st, 1883			$6,094 30

TREASURER'S SUMMARY—CONTINUED.

Amount to credit of fund arising from sale of lots and grave spaces, January 1, 1882		$ 4,723 70
Received during the year from the sale of lots and grave spaces		20,760 04
Received interest on deposits		27 61
Total		$25,511 35
Amount taken from the fund arising from the sale of lots and grave spaces to pay pay-rolls and current expenses	$ 5,175 20	
Expended for improving and embellishing the cemeteries.	14,241 85	
Total		$19,417 05
Balance to credit of fund, January 1, 1883		$6,094 30
Amount to credit of fund for general purposes		000 00
Received during the year for services and vault fees		11,229 82
Received from the fund arising from the sale of lots and grave spaces		5,175 20
Total		$16,404 52
Pay-roll and current expenses during the year		16,404 52
Balance to credit for general fund		000 00
Amount of running expenses during the year		16,404 52
Amount received for services and vault fees		11,229 82
Amount taken from the fund arising from the sale of lots and grave spaces		$5,175 20

As will be seen from the foregoing statement, the running expenses, (other than for improvements) of the several cemeteries, are in excess of the receipts for services and vault fees, which receipts constitute the fund from which the running expenses should be paid. This has been the case for years past, and consequently the fund derived from the sale